

GENERAL PARTS BOOK

FOR



**ELECTRIC
GENERATING PLANTS**

(Excluding Marine Models)

**W2C
SERIES**

ONAN 2515 UNIVERSITY AVE. S.E. • MINNEAPOLIS, MINN. 55414

A DIVISION OF STUDEBAKER CORPORATION

IN CANADA: ONAN GENERATORS CANADA LTD., P. O. BOX 652, GUELPH, ONTARIO

Important Safety Precautions

Read and observe these safety precautions when using or working on electric generators, engines and related equipment. Also read and follow the literature provided with the equipment.

Proper operation and maintenance are critical to performance and safety. Electricity, fuel, exhaust, moving parts and batteries present hazards that can cause severe personal injury or death.

FUEL, ENGINE OIL, AND FUMES ARE FLAMMABLE AND TOXIC

Fire, explosion, and personal injury can result from improper practices.

- Used engine oil, and benzene and lead, found in some gasoline, have been identified by government agencies as causing cancer or reproductive toxicity. When checking, draining or adding fuel or oil, do not ingest, breathe the fumes, or contact gasoline or used oil.
- Do not fill tanks with engine running. Do not smoke around the area. Wipe up oil or fuel spills. Do not leave rags in engine compartment or on equipment. Keep this and surrounding area clean.
- Inspect fuel system before each operation and periodically while running.
- Equip fuel supply with a positive fuel shutoff.
- Do not store or transport equipment with fuel in tank.
- Keep an ABC-rated fire extinguisher available near equipment and adjacent areas for use on all types of fires except alcohol.
- Unless provided with equipment or noted otherwise in installation manual, fuel lines must be copper or steel, secured, free of leaks and separated or shielded from electrical wiring.
- Use approved, non-conductive flexible fuel hose for fuel connections. Do not use copper tubing as a flexible connection. It will work-harden and break.

EXHAUST GAS IS DEADLY

- Engine exhaust contains carbon monoxide (CO), an odorless, invisible, poisonous gas. Learn the symptoms of CO poisoning.
- Never sleep in a vessel, vehicle, or room with a genset or engine running unless the area is equipped with an operating CO detector with an audible alarm.
- Each time the engine or genset is started, or at least every day, thoroughly inspect the exhaust system. Shut down the unit and repair leaks immediately.

- Warning: Engine exhaust is known to the State of California to cause cancer, birth defects and other reproductive harm.

Make sure exhaust is properly ventilated.

- Vessel bilge must have an operating power exhaust.
- Vehicle exhaust system must extend beyond vehicle perimeter and not near windows, doors or vents.
- Do not use engine or genset cooling air to heat an area.
- Do not operate engine/genset in enclosed area without ample fresh air ventilation.
- Expel exhaust away from enclosed, sheltered, or occupied areas.
- Make sure exhaust system components are securely fastened and not warped.

MOVING PARTS CAN CAUSE SEVERE PERSONAL INJURY OR DEATH

- Do not remove any guards or covers with the equipment running.
- Keep hands, clothing, hair, and jewelry away from moving parts.
- Before performing any maintenance, disconnect battery (negative [–] cable first) to prevent accidental starting.
- Make sure fasteners and joints are secure. Tighten supports and clamps, keep guards in position over fans, drive belts, etc.
- If adjustments must be made while equipment is running, use extreme caution around hot manifolds and moving parts, etc. Wear safety glasses and protective clothing.

BATTERY GAS IS EXPLOSIVE

- Wear safety glasses and do not smoke while servicing batteries.
- Always disconnect battery negative (–) lead first and reconnect it last. Make sure you connect battery correctly. A direct short across battery terminals can cause an explosion. Do not smoke while servicing batteries. Hydrogen gas given off during charging is explosive.
- Do not disconnect or connect battery cables if fuel vapors are present. Ventilate the area thoroughly.

DO NOT OPERATE IN FLAMMABLE AND EXPLOSIVE ENVIRONMENTS

Flammable vapor can be ignited by equipment operation or cause a diesel engine to overspeed and become difficult to stop, resulting in possible fire, explosion, severe personal injury and death. **Do not operate diesel equipment where a flammable vapor environment can be created by fuel spill, leak, etc., unless equipped with an automatic safety device to block the air intake and stop the engine.**

HOT COOLANT CAN CAUSE SEVERE PERSONAL INJURY

- Hot coolant is under pressure. Do not loosen the coolant pressure cap while the engine is hot. Let the engine cool before opening the pressure cap.

ELECTRICAL SHOCK CAN CAUSE SEVERE PERSONAL INJURY OR DEATH

- Do not service control panel or engine with unit running. High voltages are present. Work that must be done while unit is running should be done only by qualified service personnel.
- Do not connect the generator set to the public utility or to any other electrical power system. Electrocution can occur at a remote site where line or equipment repairs are being made. An approved transfer switch must be used if more than one power source is connected.
- Disconnect starting battery (negative [–] cable first) before removing protective shields or touching electrical equipment. Use insulative mats placed on dry wood platforms. Do not wear jewelry, damp clothing or allow skin surface to be damp when handling electrical equipment.
- Use insulated tools. Do not tamper with interlocks.
- Follow all applicable state and local electrical codes. Have all electrical installations performed by a qualified licensed electrician. Tag open switches to avoid accidental closure.
- With transfer switches, keep cabinet closed and locked. Only authorized personnel should have cabinet or operational keys. Due to serious shock hazard from high voltages within cabinet, all service and adjustments must be performed by an electrician or authorized service representative.

If the cabinet must be opened for any reason:

1. Move genset operation switch or Stop/Auto/Handcrank switch (whichever applies) to Stop.
2. Disconnect genset batteries (negative [–] lead first).
3. Remove AC power to automatic transfer switch. If instructions require otherwise, use extreme caution due to shock hazard.

MEDIUM VOLTAGE GENERATOR SETS (601V TO 15kV)

- Medium voltage acts differently than low voltage. Special equipment and training are required to work on or around medium voltage equipment. Operation and maintenance must be done only by persons trained and qualified to work on such devices. Improper use or procedures will result in severe personal injury or death.
- Do not work on energized equipment. Unauthorized personnel must not be permitted near energized equipment. Induced voltage remains even after equipment is disconnected from the power source. Plan maintenance with authorized personnel so equipment can be de-energized and safely grounded.

GENERAL SAFETY PRECAUTIONS

- Do not work on equipment when mentally or physically fatigued or after consuming alcohol or drugs.
- Carefully follow all applicable local, state and federal codes.
- Never step on equipment (as when entering or leaving the engine compartment). It can stress and break unit components, possibly resulting in dangerous operating conditions from leaking fuel, leaking exhaust fumes, etc.
- Keep equipment and area clean. Oil, grease, dirt, or stowed gear can cause fire or damage equipment by restricting airflow.
- Equipment owners and operators are solely responsible for operating equipment safely. Contact your authorized Onan/Cummins dealer or distributor for more information.

KEEP THIS DOCUMENT NEAR EQUIPMENT FOR EASY REFERENCE.

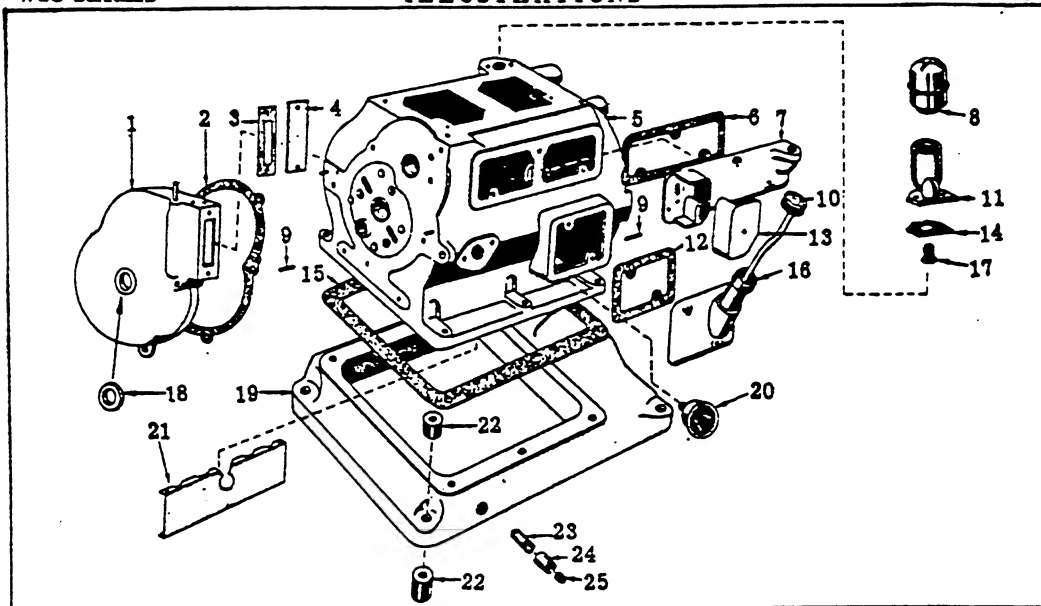
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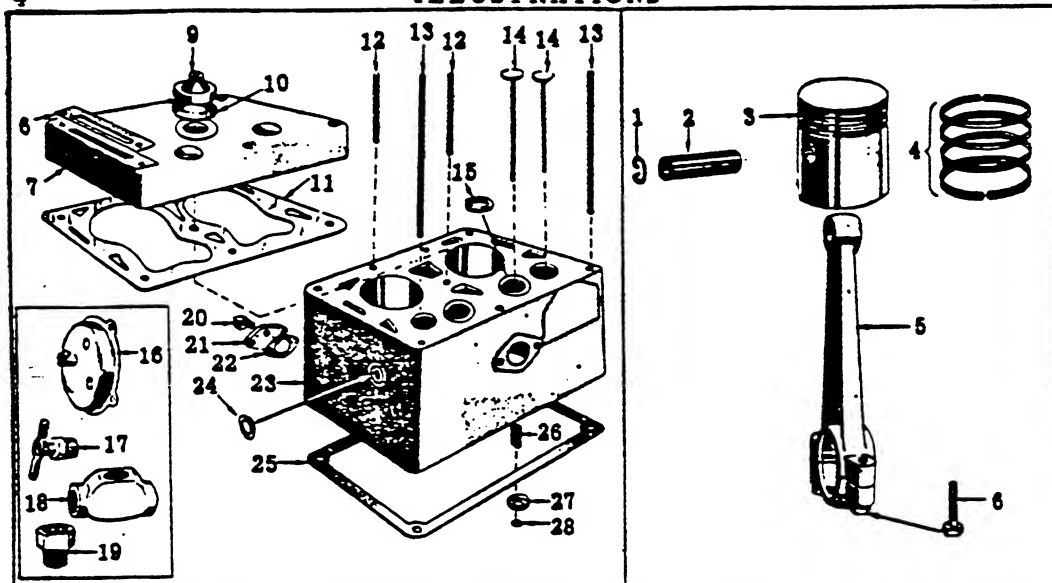
TYPICAL ILLUSTRATIONS

PARTS ILLUSTRATED ARE TYPICAL OF THE W2C SERIES BUT DO NOT REFER TO ANY SPECIFIC MODEL. THIS SECTION IS A REFERENCE AS TO THE NOUN USED TO DESCRIBE PARTS LISTED IN THE ENGINE, GENERATOR, CONTROL AND ACCESSORY SECTIONS. FOR PART NUMBERS FOR ANY GIVEN UNIT CHECK THE DESCRIPTION IN THE APPROPRIATE SECTION.



CRANKCASE, OIL BASE, AND GEAR COVER GROUP

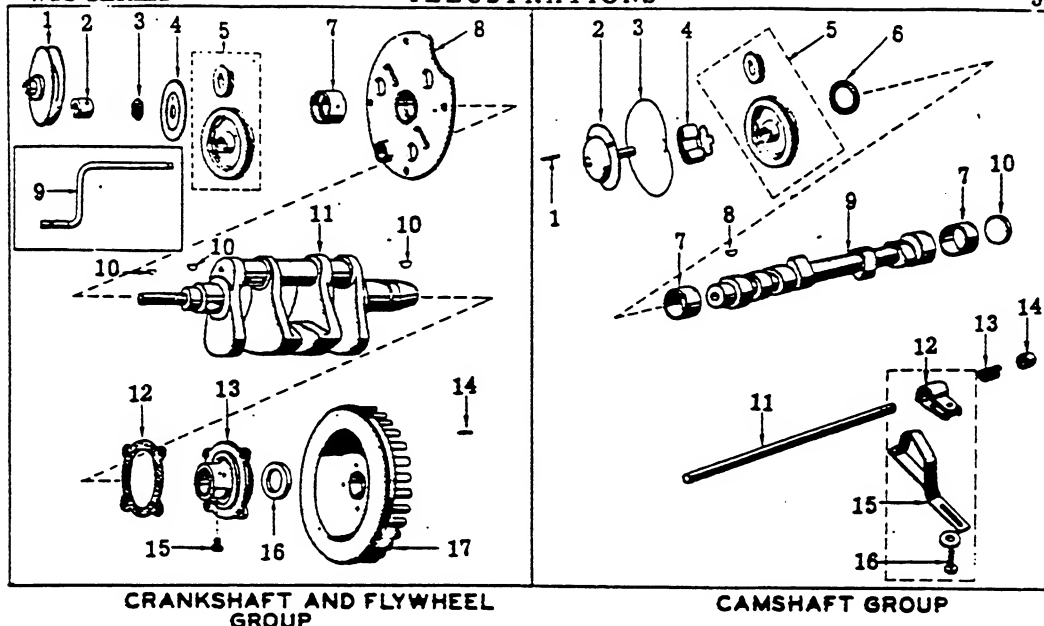
- | | |
|--|---------------------------------|
| 1. Cover Assembly, Gear | 16. Plate, Crankcase Inspection |
| 2. Gasket, Gear Cover | 17. Valve Assy., Breather Check |
| 3. Gasket, Magneto Gearcase | 18. Seal, Gear Cover Oil |
| 4. Plate, Gearcase Cover | 19. Base, Oil |
| 5. Crankcase | 20. Gauge, Oil Pressure |
| 6. Gasket, Inspection Plate | 21. Plate, Oil Baffle |
| 7. Plate, Valve Inspection | 22. Cushion, Mounting |
| 8. Cap, Crankcase Breather | 23. Nipple, Oil Drain |
| 9. Pin, Dowel | 24. Coupling, Oil Drain |
| 10. Cup Assy., Oil Filler | 25. Plug, Oil Drain |
| 11. Adapter, Crankcase Breather | |
| 12. Gasket, Crankcase Inspection Plate | |
| 13. Plate, Breaker Inspection | |
| 14. Gasket, Crankcase Breather Adapter | |
| 15. Gasket, Oil Base | |



CYLINDER AND VALVE GROUP

PISTON AND CONNECTING
ROD GROUP

- | | |
|------------------------------------|--------------------|
| 6. Gasket, Cylinder Water Outlet | 1. Ring, Pin Lock |
| 7. Head Cylinder | 2. Pin, Piston |
| 9. Cap, Cylinder Head | 3. Piston |
| 10. Gasket, Cylinder Head Cap | 4. Ring Set |
| 11. Gasket, Cylinder Head | 5. Rod, Connecting |
| 12. Stud, Cylinder Head Mtg. | 6. Screw, Rod Cap |
| 13. Stud, Head & Block | |
| 14. Valve | |
| 15. Insert, Valve Seat | |
| 16. Switch, Hi-Water Temp. Cut-off | |
| 17. Valve, Block Drain | |
| 18. Tee, Pipe | |
| 19. Connector, Inverted Male | |
| 20. Elbow, Inverted Male | |
| 21. Plate, Water Inlet | |
| 22. Gasket Inlet Plate | |
| 23. Block Cylinder | |
| 24. Plug, Welsh | |
| 25. Gasket, Base | |
| 26. Spring, Valve | |
| 27. Washer, Spring Retainer | |
| 28. Lock, Spring | |



CRANKSHAFT AND FLYWHEEL
GROUP

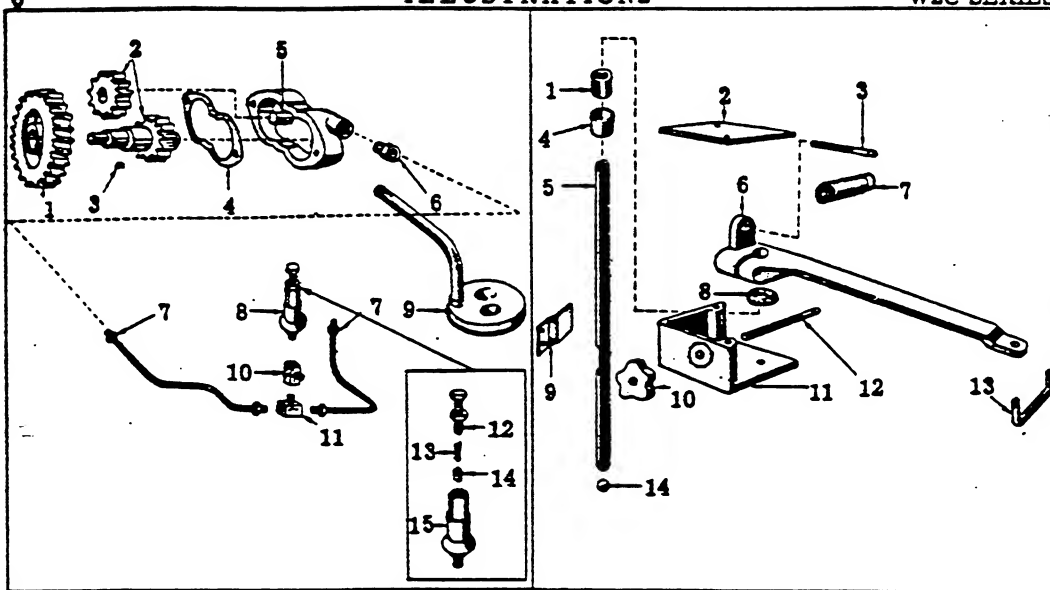
CAMSHAFT GROUP

1. Dog, Pulley & Crank
2. Dog, Crank
3. Nut, Gear Lock
4. Washer, Gear
5. Gear Set
7. Bearing, Crankshaft
8. Plate, Front Bearing
9. Crank, Hand
10. Key, Woodruff
11. Crankshaft
12. Gasket, Rear Bearing Plate
13. Plate, Rear Bearing
14. Pin, Dowel
15. Connector, Inverted Male
16. Seal, Rear Bearing Plate Oil
17. Flywheel

1. Pin, Cup Stop
2. Cup & Stud Assy., Governor
3. Wire, Weight Retaining
4. Weight, Governor
5. Gear Set
6. Washer, Spacer
7. Bearing, Camshaft
8. Key, Woodruff
9. Camshaft
10. Plug, Hubbard
11. Shaft, Valve Lifter
12. Bearing, Valve Lifter
13. Spring, Spacer
14. Bushing, Spacer
15. Lifter, Valve
16. Screw, Lifter Lock

ILLUSTRATIONS

W2C SERIES

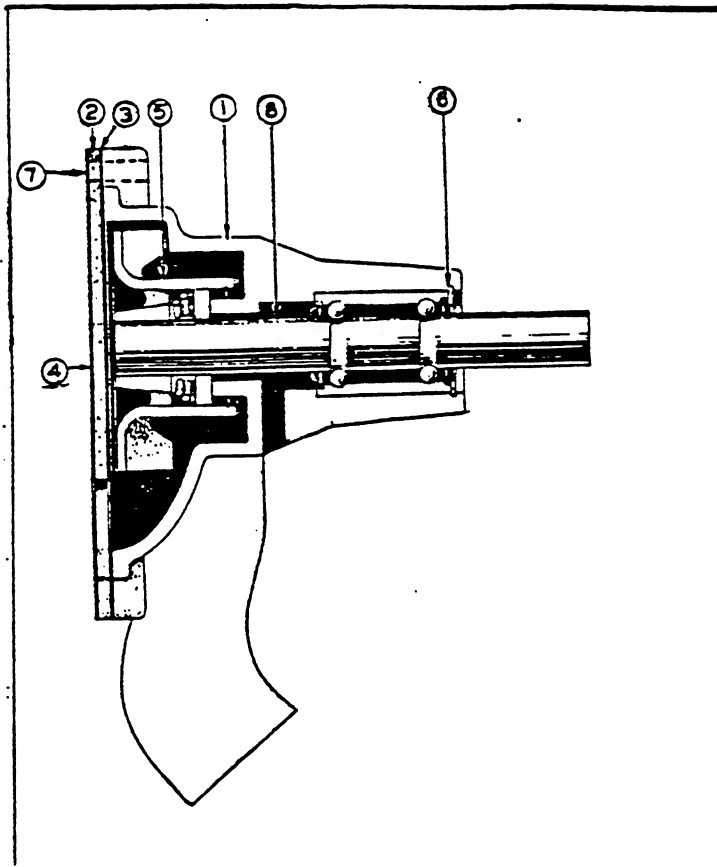


OIL PUMP GROUP

GOVERNOR GROUP

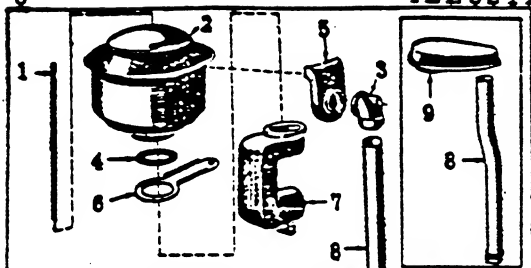
1. Gear, Drive
2. Gear Set
3. Key, Woodruff
4. Gasket, Body
5. Body, Oil Pump
6. Connector, Inverted Male
7. Line, Oil
8. By-Pass Assembly
9. Cup, Oil Intake
10. Tee, Inverted
11. Tee, Pipe
12. Screw & Nut, Adjusting
13. Spring, By-Pass
14. Valve, Plunger
15. Body & Cup, By-Pass

1. Bearing, Needle
2. Cover, Spring
3. Stud, Sensitivity Adjusting
4. Bushing, Needle Bearing
5. Shaft, Governor
6. Arm, Governor
7. Spring, Governor
8. Washer, Shaft Felt
9. Paddle, Governor Shaft
10. Knob, Adjusting
11. Bracket, Adjusting Screw
12. Screw, Adjusting
13. Link, Connecting
14. Ball, Bearing



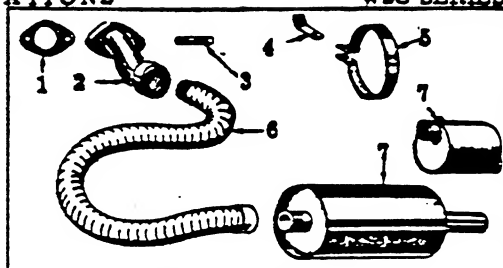
WATER PUMP GROUP

1. Body, Water Pump
2. Cover
3. Gasket, Cover
4. Gasket, Mounting
5. Impeller Assembly
6. Ring, Retaining
7. Screw, Flat Head
8. Shaft & Bearing Assy.



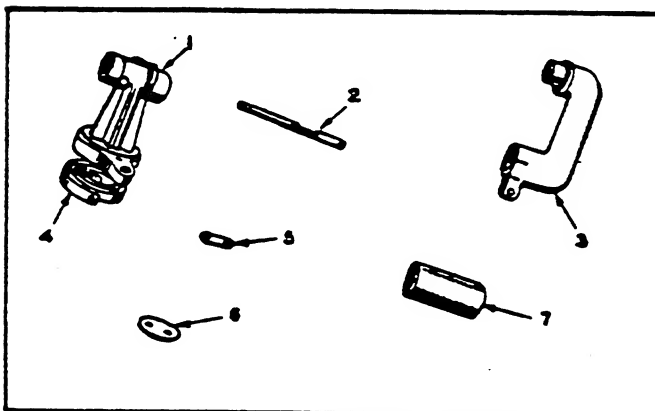
FLAME ARRESTER AND AIR CLEANER
GROUP

1. Stud, (Air Cleaner)(Flame Arrester)
2. (Cleaner, Air)(Flame Arrester)
3. Adapter, Vapor Trap
4. Gasket, (Air Cleaner)(Flame Arrester)
5. Trap, Vapor
6. Support, (Air Cleaner)(Flame Arrester)
7. Adapter, (Air Cleaner)(Flame Arrester)
8. Tube, Breather
9. Arrester, Flame



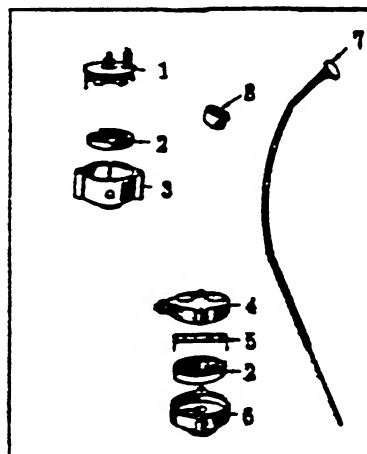
MUFFLER GROUP

1. Gasket, Exhaust Outlet
2. Outlet, Exhaust
3. Stud, Exhaust Outlet
4. Strap, Muffler
5. Bracket, Muffler
6. Tubing, Exhaust
7. Muffler, Exhaust



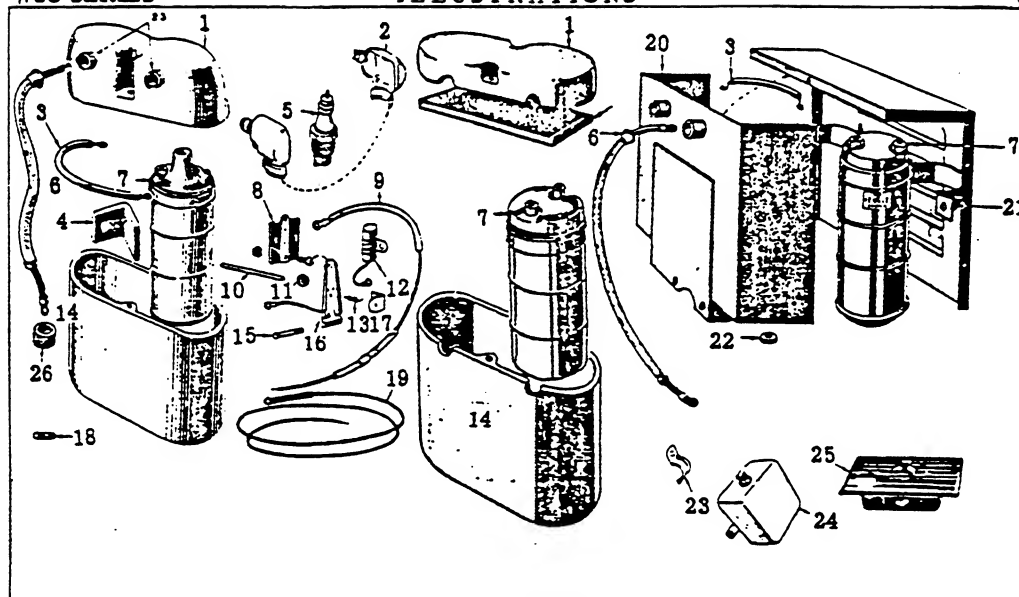
AUTOMATIC (THERMO.) CHOKE

1. Body, Choke
2. Shaft, Choke
3. "U" Tube, Choke
4. Element, Thermostat
5. Plate, Spacer
6. Plate, Choke
7. Hose, Carburetor to Choke



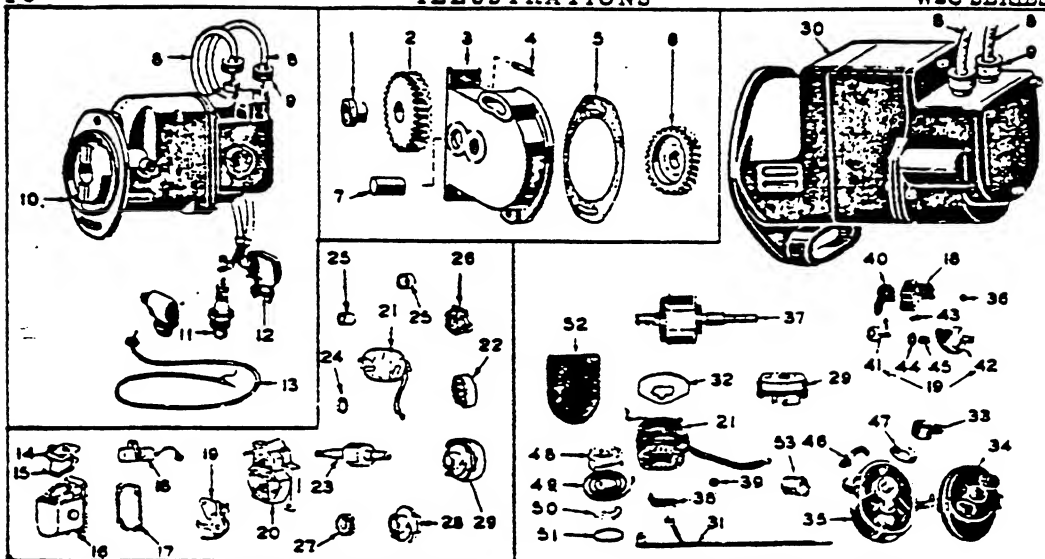
ELECTRIC CHOKE GROUP

1. Cover Assy., Choke
2. Element, Thermostat
3. Body, Choke
4. Cover Assy., Electric
5. Strap, Element Retainer
6. Bracket
7. Choke, Manual
8. Clip, Manual Choke



IGNITION GROUP-BATTERY

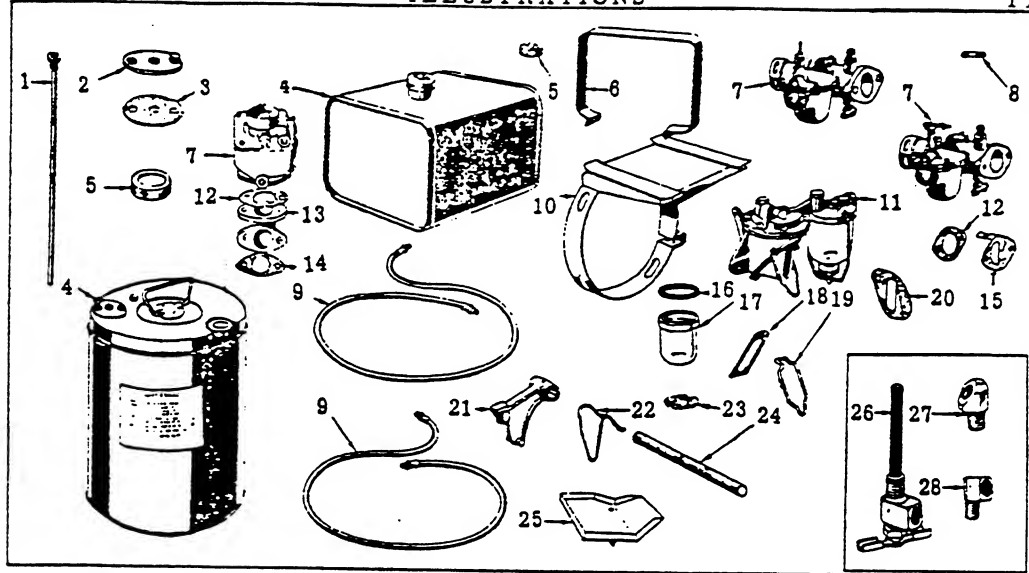
- | | |
|---------------------------|-------------------------------------|
| 1. Cover, Coil Box | 14. Box, Coil |
| 2. Shield, Spark Plug | 15. Stud, Breaker Arm |
| 3. Jumper, Coil | 16. Point Set |
| 4. Clamp, Coil Mounting | 17. Bracket, Breaker Spring |
| 5. Plug, Spark | 18. Stud, Coil Box Mounting |
| 6. Cable, Spark Plug | 19. Lead, Primary |
| 7. Coil, Ignition | 20. Box & Cover, Coil |
| 8. Block, Insulating | 21. Strap, Ignition Coil |
| 9. Lead, Breaker to Panel | 22. Grommet, Rubber |
| 10. Plunger, Breaker | 23. Clip, Cable |
| 11. Seal, Oil | 24. Filter, Ignition |
| 12. Condenser | 25. Switch Assy., Remote Start-Stop |
| 13. Spring, Breaker Arm | 26. Nut, Cable Knurled |



FAIRBANKS-MORSE MAGNETO GROUP

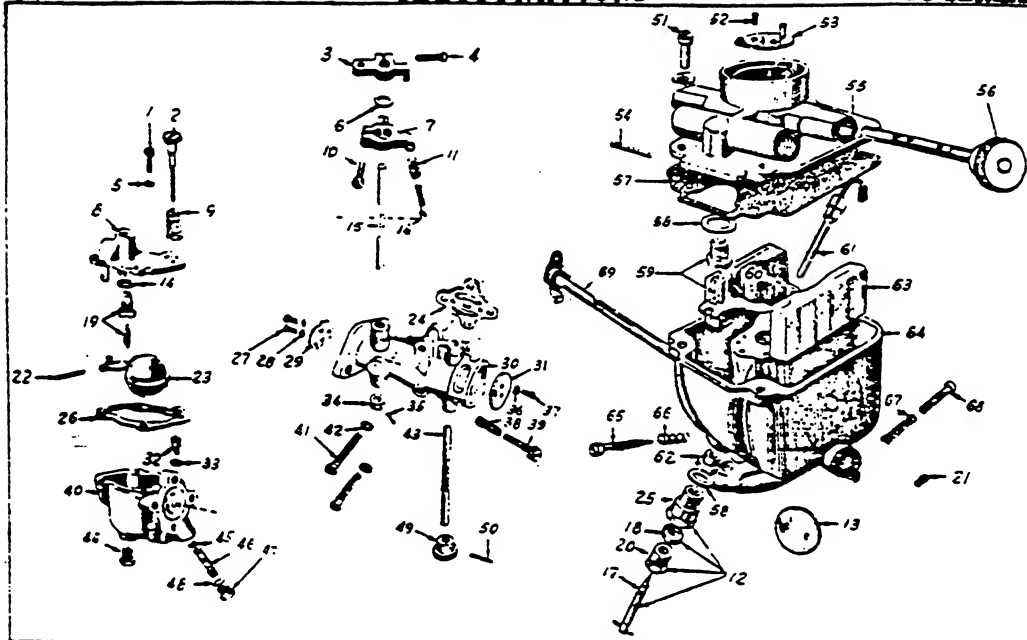
WICO MAGNETO GROUP

- | | |
|------------------------------------|-----------------------------------|
| 1. Bushing, Idler Gear - FM & Wico | 27. Pinion, Rotor |
| 2. Gear, Drive Idler - FM & Wico | 28. Hub, Impulse Coupling |
| 3. Gearcase, Drive - FM & Wico | 29. Coupling, Impulse |
| 4. Stud, Gearcase - FM & Wico | 30. Magneto, Wico |
| 5. Gasket, Flange - FM & Wico | 31. Lead, Ground |
| 6. Gear, Drive - FM & Wico | 32. Gasket, Coil |
| 7. Shaft, Idler Gear - FM & Wico | 33. Arm |
| 8. Cable Assy., Spark Plug | 34. Cap |
| 9. Nut, Cable Knurled | 35. Housing, Gear |
| 10. Magneto, Fairbanks Morse | 36. Pad, Cam Oil |
| 11. Plug, Spark | 37. Rotor Assy. |
| 12. Shield Assy., Spark Plug | 38. Clamp, Coil Core |
| 13. Lead, Magneto to Control Panel | 39. Plug, Oil |
| 14. Cover, End Cap | 40. Gasket, Condenser Case |
| 15. Gasket, End Cap Cover | 41. Contact, Fixed |
| 16. Cap, End | 42. Arm, Breaker |
| 17. Gasket, Cap Mounting | 43. Screw, Fixed Contact |
| 18. Condenser | 44. Washer, Breaker Point Spacing |
| 19. Point Set | 45. Spacer, Breaker Arm |
| 20. Outlet, Cable | 46. Clip Assy., Distributor |
| 21. Coil Assy. | 47. Dust Washer, Arm |
| 22. Bearing, Ball | 48. Cup, Drive |
| 23. Rotor, Magnetic | 49. Spring Drive |
| 24. Shim, Thrust Bearing | 50. Arm, Trip |
| 25. Bearing, Sleeve | 51. Gasket, Impulse Stop |
| 26. Rotor, Distributor | 52. Cover, Distributor Cap Shield |
| | 53. Bushing, Rotor |



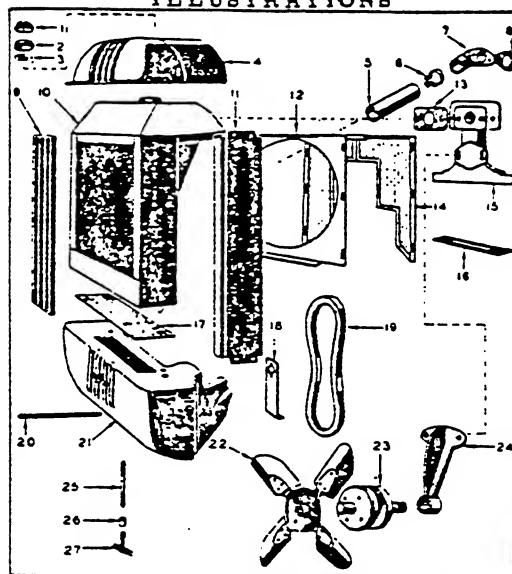
FUEL SYSTEM GROUP

- | | |
|-------------------------------|--------------------------------|
| 1. Tube, Fuel Tank | 15. Plate, Fuel Distribution |
| 2. Base, Tube | 16. Gasket, Pump Filter Bowl |
| 3. Gasket, Tube Base | 17. Bowl, Pump Filter |
| 4. Tank, Fuel | 18. Gasket, Primer Lever |
| 5. Cap, Fuel Tank | 19. Lever, Primer |
| 6. Band, Tank Mounting | 20. Gasket, Pump Flange |
| 7. Carburetor | 21. Follower, Eccentric |
| 8. Stud, Carburetor Mounting | 22. Spring, Follower |
| 9. Line, Fuel | 23. Screen, Pump Filter |
| 10. Bracket, Tank Mounting | 24. Shaft, Follower |
| 11. Pump, Fuel | 25. Pan Assy., Carburetor Drip |
| 12. Gasket, Carburetor Flange | 26. Cock, Tank Shutoff |
| 13. Elbow, Carburetor Inlet | 27. Elbow, 45° |
| 14. Gasket, Adapter | 28. Elbow, Inverted Male |



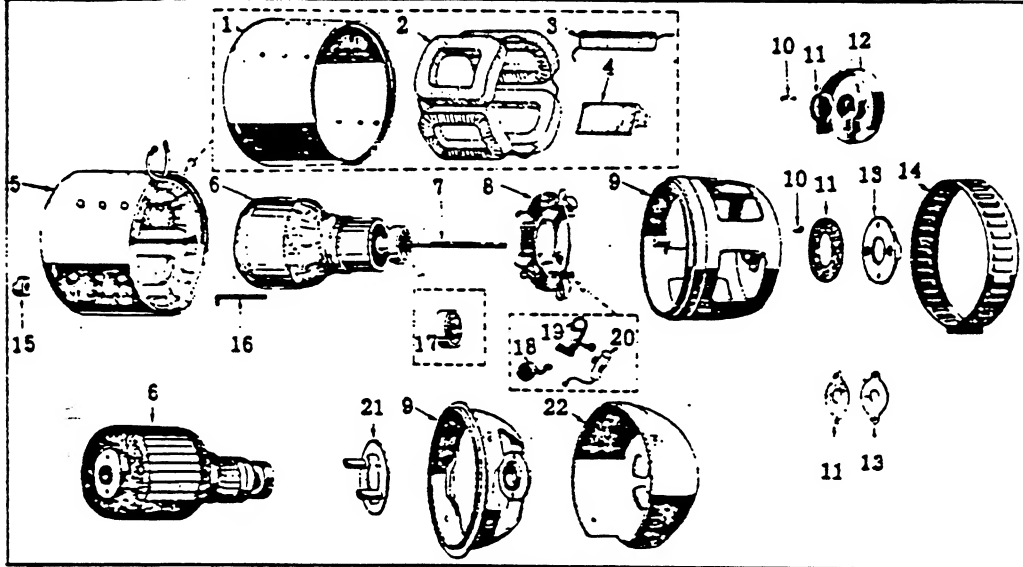
CARBURETOR PARTS GROUP

- | | | |
|------------------------------|-----------------------------|-----------------------------|
| 1. Screw, Bowl Assy. | 24. Gasket, Body to Bowl | 47. Plug, Well Passage |
| 2. Needle, Jet Adj. | 25. Retainer, Adj. Needle | 48. Water, Well Plug Fibre |
| 3. Lever, Throttle Clamp | 26. Gasket, Cover to Bowl | 49. Knob, Choke Shaft |
| 4. Screw, Lever Clamp | 27. Screw, Throttle Plate | 50. Pin, Knob Taper |
| 5. Lockwasher, Bowl Assy. | 28. Lockwasher, Plate Screw | 51. Screw, Bowl Cover |
| 6. Spacer, Throttle Lever | 29. Plate, Throttle | 52. Screw, Choke Plate |
| 7. Lever, Throttle Stop | 30. Body, Throttle | 53. Plate, Choke |
| 8. Cover, Fuel Bowl | 31. Plate, Choke | 54. Shaft, Float |
| 9. Spring, Adj. Needle | 32. Jet, Main | 55. Sleeve Assy., Choke |
| 10. Spring, Stop Lever Clamp | 33. Washer, Jet Fibre | 56. Shaft Assy., Choke |
| 11. Spring, Stop Lever | 34. Washer, Shaft Thrust | 57. Gasket, Body to Bowl |
| 12. Needle Assy., Adj. | 35. Pin, Washer Taper | 58. Gasket |
| 13. Plate, Throttle | 36. Lockwasher, Choke Plate | 59. Valve Assy., Float |
| 14. Washer, Seat Fibre | 37. Screw, Choke Plate | 60. Gasket, Nozzle |
| 15. Shaft, Throttle | 38. Spring, Adj. Screw | 61. Nozzle Assy. |
| 16. Screw, Stop Lever | 39. Screw, Idle Adjusting | 62. Nut & Jet |
| 17. Needle, Idle | 40. Bowl, Fuel | 63. Float & Lever Assy. |
| 18. Packing, Adj. Needle | 41. Screw, Body to Bowl | 64. Body Assy. |
| 19. Valve & Seat, Fuel | 42. Lockwasher, Screw | 65. Needle, Idle |
| 20. Retainer, Needle Packing | 43. Shaft, Choke Plate | 66. Spring, Idle Needle |
| 21. Screw, Throttle Plate | 44. Plug, Bowl Drain | 67. Spring Lever Adj. Screw |
| 22. Axle, Float | 45. Washer, Well Fibre | 68. Screw, Stop Adj. |
| 23. Float, Fuel Bowl | 46. Well, Metering | 69. Shaft Assy., Throttle |



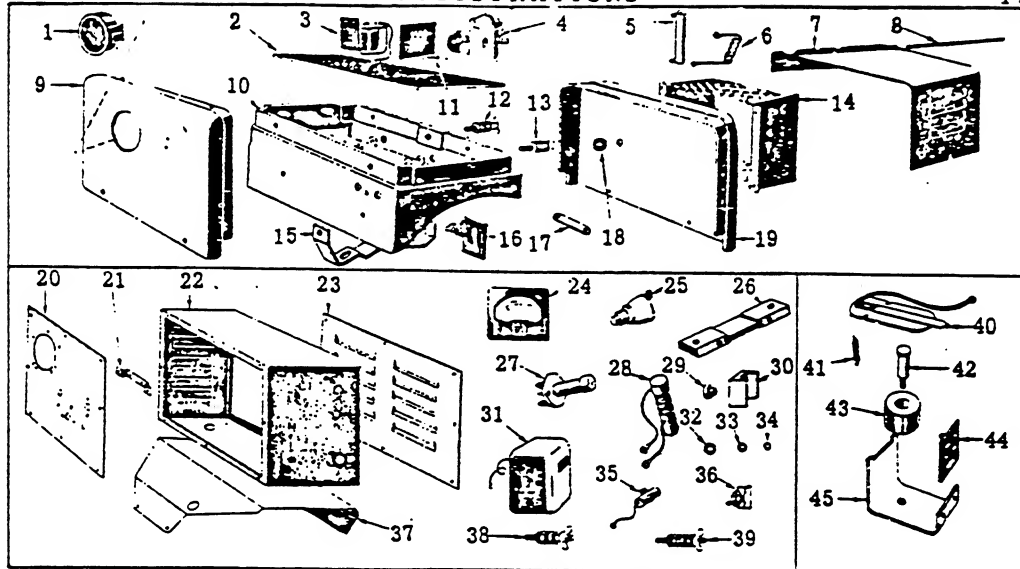
RADIATOR AND FAN GROUP

- | | |
|---------------------------------|--------------------------------|
| 1. Ornament, Radiator Cap | 15. Outlet, Cylinder Water |
| 2. Cap, Radiator | 16. Gasket, Water Outlet Lower |
| 3. Gasket, Cap | 17. Gasket, Base |
| 4. Top, Radiator | 18. Bracket, Crank |
| 5. Hose, Radiator | 19. Belt, Fan |
| 6. Clamp, Hose | 20. Stud, Support |
| 7. Inlet, Cylinder Water | 21. Base, Radiator |
| 8. Gasket, Water Inlet | 22. Blade, Fan |
| 9. Grille, Radiator | 23. Hub, Fan |
| 10. Radiator Assy. | 24. Bracket, Fan Support |
| 11. Panel, Side | 25. Nipple, Drain |
| 12. Shroud, Fan | 26. Coupling, Drain |
| 13. Gasket, Water Outlet 130-93 | 27. Cock, Drain |
| 14. Guard, Fan | |



GENERATOR GROUP

- | | |
|---------------------------|--------------------------------|
| 1. Frame only | 12. Cover, Bearing Support |
| 2. Coil Assy., Field | 13. Plate, Bearing |
| 3. Coil, Interpole | 14. Band, End Bell |
| 4. Poleshoe | 15. Washer, Generator Mounting |
| 5. Frame Assy., Generator | 16. Stud, Bearing Support |
| 6. Armature Assy. | 17. Bearing, Armature Ball |
| 7. Stud, Armature Thru | 18. Spring, Brush |
| 8. Rig Assy., Brush | 19. Brush |
| 9. Bell, End | 20. Condenser - 312-0058 |
| 10. Clip, Bearing Stop | 21. Spider, Brush Rig |
| 11. Gasket, Bearing Plate | 22. Cover, End Bell |



CONTROL GROUP

- | | |
|----------------------------------|------------------------------------|
| 1. Ammeter | 23. Cover, Control Box |
| 2. Panel only | 24. Ammeter |
| 3. Relay, Charge | 25. Switch, Stop |
| 4. Switch, Start Solenoid | 26. Shunt, Ammeter |
| 5. Resistor | 27. Switch, Start |
| 6. Wire, Resistance | 28. Coil, Choke |
| 7. Cover, Control Box | 29. Adapter, Battery Positive Post |
| 8. Pin, Hinge | 30. Block, Positive Post Insul. |
| 9. Panel, R.H. Side (Instrument) | 31. Relay, Start |
| 10. Base, Control | 32. Washer, Resistor |
| 11. Bracket, Start Solenoid Mtg. | 33. Grommet, Rubber |
| 12. Post, Negative Terminal | 34. Grommet, Rubber |
| 13. Post, Positive Terminal | 35. Condenser |
| 14. Guard, Resistor | 36. Switch, Ignition Toggle |
| 15. Clamp, Control Base | 37. Support, Control Box |
| 16. Switch, Assy., Start-Stop | 38. Post, Negative Terminal |
| 17. Strap, Ground | 39. Post, Positive Terminal |
| 18. Grommet, Rubber | 40. Armature & Blade Assy. |
| 19. Panel, L.H. Side (Plain) | 41. Spring, Armature Return |
| 20. Panel Only, Control | 42. Core only, Coil |
| 21. Bracket, Shunt Mounting | 43. Coil Only, Relay |
| 22. Box only, Control | 44. Contact Assy., Stationary |
| | 45. Frame Assy., Relay |

MODEL INDEX SECTION

W2C ENGINE-GENERATOR

PLANT MODEL NO.	ENGINE SECTION		GENERATOR SECTION	CONTROL SECTION
	COLUMN	SUB COLUMN	DATA NO.	WIRING DIAGRAM NO.
★ W2A	0-99	R	†	†
W2A-1	0-99	R	248A	†
W2A-12	0-99	R	248A	†
W2A-97	0-99	R	248A	†
W2A-104	100-199	R	5039	†
W2A-217	200-299	R	5039	▲80156
W2A-231	200-299	R	5041	§80145
W2A-250	200-299	R	5039	▲80140
W2A-260	200-299	R	5039	▲80140
W2D	0-99	M	146C	81209
W2D-1	0-99	M	146C	81209
W2D-100	100-199	M	432A	81209
W2D-102	100-199	M	5078	80804
W2D-200	200-299	M	5062	81209
W2D-202	200-299	M	5078	80804
W2D-300	300-399	M	5062	81209
W2D-302	300-399	M	5078	80804
W2D-400	400-499	M	5062	80804
W2D-402	400-499	M	5078	80804
W2D-403	400-499	M	5062	80804
W2DS	0-99	R	380A	80162
W2DS-100	100-199	R	380A	80162
W2DS-200	200-299	R	5063	80806
★ W2M	0-99	M	†	81203
W2M-5	0-99	M	5035	81205
W2M-7	0-99	M	5035	81205
W2M-11	0-99	M	5035	83026
W2M-13	0-99	M	5035	81204
W2M-17	0-99	M	311B	81207
W2M-18	0-99	M	5035	81210
W2M-101	100-199	M	5035	81205
W2M-105	100-199	M	5035	81205
W2M-107	100-199	M	5037	81205
W2M-113	100-199	M	5035	81205
W2M-208	200-299	M	5086	81205
W2M-213	200-299	M	5035	81205
W2M-231	200-299	M	5037	80800
W2M-241	200-299	M	5036	81205
W2M-242	200-299	M	5035	81205
W2M-244	200-299	M	5108	81205

▲ = Use also #300B11 Automatic Control

§ = Use also #300-61 Automatic Control

† = To Insure Receiving the Correct Part Refer Order to Factory. Include Model and Serial Number of Unit

★ = This book applies to 3" bore models only. Some early W2A, W2M and W2S Models were 2-3/4" bore. For the 2-3/4" bore models order by description and include the Model and Serial Number of the unit.

MODEL INDEX SECTION

W2C ENGINE-GENERATOR

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PLANT MODEL NO.	ENGINE SECTION		GENERATOR SECTION	CONTROL SECTION
	COLUMN	SUB COLUMN	DATA NO.	WIRING DIAGRAM NO.
W2M-308	300-399	M	5086	81205
W2M-313	300-399	M	5035	81205
W2M-331	300-399	M	5037	80800
W2M-341	300-399	M	5036	81205
W2M-342	300-399	M	5035	81205
W2M-344	300-399	M	5108	81205
W2M-408	400-499	M	5086	81205
W2M-413	400-499	M	5035	81205
W2M-431	400-499	M	5037	80800
W2M-441	400-499	M	5036	81205
W2M-442	400-499	M	5035	81205
W2M-444	400-499	M	5108	81205
W2SA-8	0-99	R	†	†
★ W2S	0-99	R	†	†
W2S-2	0-99	R	256B	80140
W2S-3	0-99	R	5039	80140
W2S-4	0-99	R	236	80155
W2S-5	0-99	R	255A	83039
W2S-8	0-99	R	266A	80140
W2S-11	0-99	R	5039	80140
W2S-13	0-99	R	234	80154
W2S-14	0-99	R	5039	80140
W2S-15	0-99	R	297	80157
W2S-16	0-99	R	255A	83039
W2S-17	0-99	R	5039	80156
W2S-21	0-99	R	5039	80140
W2S-23	0-99	R	421A	80145
W2S-24	0-99	R	248A	80160
W2S-25	0-99	R	248A	80156
W2S-26	0-99	R	421A	80145
W2S-27	0-99	R	407	80169
W2S-50	0-99	R	407	80140
W2S-60B	0-99	R	234	†
W2S-105	100-199	R	5039	80181
W2S-108	100-199	R	266A	80140
W2S-114	100-199	R	5039	80140
W2S-117	100-199	R	5039	80156
W2S-128	100-199	R	5039	80140
W2S-129	100-199	R	407	80140
W2S-130	100-199	R	493	80187

† = To Insure Receiving the Correct Part Refer Order to Factory. Include Model and Serial Number of Unit.

★ = This book applies to 3" bore models only. Some early W2A, W2M and W2S Models were 2-3/4" bore. For the 2-3/4" bore models order by description and include the Model and Serial Number of the unit.

MODEL INDEX SECTION

W2C ENGINE-GENERATOR

PLANT MODEL NO.	ENGINE SECTION		GENERATOR SECTION	CONTROL SECTION
	COLUMN	SUB COLUMN	DATA NO.	WIRING DIAGRAM NO.
W2S-132	100-199	R	421A	80145
W2S-137	100-199	R	5039	80176
W2S-138	100-199	R	5039	80140
W2S-145	100-199	R	5039	80176
W2S-150	100-199	R	5039	80140
W2S-151	100-199	R	274A	80140
W2S-154	0-99	R	274A	80140
W2S-208	200-299	R	5084	80140
W2S-217	200-299	R	5039	80156
W2S-231	200-299	R	5041	80145
W2S-232	200-299	R	5041	80145
W2S-237	200-299	R	5039	80176
W2S-238	200-299	R	5039	80140
W2S-241	200-299	R	5040	80140
W2S-243	200-299	R	5042	80177
W2S-244	200-299	R	5109	80140
W2S-250	200-299	R	5039	80140
W2S-260	200-299	R	5039	80140
W2S-308	300-399	R	5084	80140
W2S-331	300-399	R	5041	80145
W2S-332	300-399	R	5041	80145
W2S-337	300-399	R	5039	80176
W2S-338	300-399	R	5039	80140
W2S-341	300-399	R	5040	80140
W2S-343	300-399	R	5042	80177
W2S-344	300-399	R	5109	80140
W2S-345	300-399	R	5118	80140
W2S-350	300-399	R	5039	80140
W2S-353	300-399	R	541	80177
W2S-354	300-399	R	5109	80140, 83031*
W2S-355	300-399	R	5115	80140, 83061*
W2S-360	300-399	R	5039	80140
W2S-361	300-399	R	5115	80140
W2S-408	400-499	R	5084	80140
W2S-431	400-499	R	5041	80145
W2S-432	400-499	R	5041	80145
W2S-437	400-499	R	5039	80176
W2S-438	400-499	R	5039	80140
W2S-441	400-499	R	5040	80140
W2S-443	400-499	R	5042	80177

* = Housing Mounted Control. Used in Addition to Plant Mounted Control.
Mounts Voltmeter, Circuit Breaker etc. in Rear of Housing.

MODEL INDEX SECTION

W2C ENGINE-GENERATOR

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PLANT MODEL NO.	ENGINE SECTION		GENERATOR SECTION	CONTROL SECTION
	COLUMN	SUB COLUMN	DATA NO.	WIRING DIAGRAM NO.
W2S-444	400-499	R	5109	80140
W2S-445	400-499	R	5118	80140
W2S-450	400-499	R	5039	80140
W2S-453	400-499	R	541	80177
W2S-454	400-499	R	5109	80140, 83031*
W2S-455	400-499	R	5115	80140, 83061*
W2S-460	400-499	R	5039	80140
W2S-461	400-499	R	5115	80140
W2S-508	500-599	R	5084	611B5
W2S-531	500-599	R	5041	611B6
W2S-532	500-599	R	5041	611B6
W2S-537	500-599	R	5039	611B5, 80176B
W2S-538	500-599	R	5039	611B5
W2S-541	500-599	R	5040	611B5
W2S-543	500-599	R	5042	611B7
W2S-544	500-599	R	5109	611B5
W2S-545	500-599	R	5118	611B7
W2S-550	500-599	R	5039	611B5
W2S-553	500-599	R	541	611B7
W2S-554	500-599	R	5109	611B5, 83031*
W2S-555	500-599	R	5115	611B5, 83061*
W2S-558	500-599	R	5039	611B5
W2S-560	500-599	R	5039	611B5
W2S-561	500-599	R	5115	611B5
W2S-562	500-599	R	5039	611B5, 83061*
W2S-568	500-599	R	5039	611B23
W3A	0-99	R	5039	†
W3A-1	0-99	R	5039	†
W3A-14	0-99	R	5039	†
W3A-101	100-199	R	5039	†
W3A-102	100-199	R	5041	†
W3A-103	100-199	R	5039	82507
W3A-217	200-299	R	5039	▲80156
W3A-231	200-299	R	5041	§80145
W3A-250	200-299	R	5039	▲80140
W3A-260	200-299	R	5039	▲80140
W3D-2	0-99	M	146C	•
W3D-3	0-99	M	432A	80168B
W3D-4	0-99	M	443A	•
W3D-100	100-199	M	432A	81209

† = To Insure Receiving the Correct Part Refer Order to Factory. Include Model and Serial Number of Unit.

▲ = Use also #300B11 Automatic Control.

§ = Use also #300-61 Automatic Control.

• = Controls by Customer

* = Housing Mounted Control. Used in Addition to Plant Mounted Control. Mounts Voltmeter, Circuit Breaker etc. in Rear of Housing.

§ = Use only Parts mounted in Rear of Housing. Use other W.D. Listed for Plant Mounted Controls.

MODEL INDEX SECTION

W2C ENGINE-GENERATOR

PLANT MODEL NO.	ENGINE SECTION		GENERATOR SECTION	CONTROL SECTION
	COLUMN	SUB COLUMN	DATA NO.	WIRING DIAGRAM NO.
W3D-103	100-199	M	432A	80168B
W3D-105	100-199	M	5078	80804
W3D-106	100-199	M	5062	80805
W3D-200	200-299	M	5062	81209
W3D-202	200-299	M	5078	80804
W3D-206	200-299	M	530	80805
W3D-300	300-399	M	5062	81209
W3D-302	300-399	M	5078	80804
W3D-306	300-399	M	5062	80805
W3D-400	400-499	M	5062	80804
W3D-402	400-499	M	5078	80804
W3D-403	400-499	M	5062	80804
W3D-406	400-499	M	5062	80805
W3D-502	500-599	M	5078	80804
W3DS	0-99	R	426	80166
W3DS-200	200-299	R	5063	80806
W3DS-232	200-299	R	5063	80806
W3DS-300	300-399	R	5063	80806
W3DS-332	300-399	R	5063	80806
W3DS-400	400-499	R	5063	80806
W3DS-432	400-499	R	5063	80806
W3M	0-99	M	5035	81204
W3M-2	0-99	M	173D	81220
W3M-3	0-99	M	181A	83026
W3M-4	0-99	M	5109	81228
W3M-5	0-99	M	173D	81220
W3M-6	0-99	M	173D	81220
W3M-8	0-99	M	181A	83026
W3M-9	0-99	M	↑	81228
W3M-10	0-99	M	208B	•
W3M-13	0-99	M	173D	81204
W3M-15	0-99	M	5084	81206
W3M-16	0-99	M	173D	81220
W3M-18	0-99	M	173D	81208
W3M-19	0-99	M	173D	81220
W3M-20	0-99	M	173D	81220
W3M-21	0-99	M	173D	81220
W3M-22	0-99	M	173D	81220
W3M-31	0-99	M	173D	81220
W3M-40	0-99	M	404B	83047

↑ = To Insure Receiving the Correct Part Refer Order to Factory. Include Model and Serial Number of Unit.

• = Controls by Customer.

MODEL INDEX SECTION

W2C ENGINE-GENERATOR

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PLANT MODEL NO.	ENGINE SECTION		GENERATOR SECTION	CONTROL SECTION
	COLUMN	SUB COLUMN	DATA NO.	WIRING DIAGRAM NO.
W3M-41	0-99	M	†	81205
W3M-42	0-99	M	173D	81205
W3M-113	100-199	M	5035	81205
W3M-118	100-199	M	173D	81208
W3M-131	100-199	M	5035	81220
W3M-135	100-199	M	468	81205
W3M-139	100-199	M	173D	80802
W3M-141	100-199	M	†	81205
W3M-143	100-199	M	5035	81205
W3M-144	100-199	M	461B	81205
W3M-145	100-199	M	5037	81205
W3M-146	100-199	M	5037	80800
W3M-147	100-199	M	5035	81205
W3M-192	100-199	M	173D	81220
W3M-208	200-299	M	5086	81205
W3M-213	200-299	M	5035	81205
W3M-231	200-299	M	5037	80800
W3M-241	200-299	M	5036	81205
W3M-242	200-299	M	5035	81205
W3M-244	200-299	M	5108	81205
W3M-246	200-299	M	5037	80800
W3M-308	300-399	M	5086	81205
W3M-313	300-399	M	5035	81205
W3M-331	300-399	M	5037	80800
W3M-341	300-399	M	5036	81205
W3M-342	300-399	M	5035	81205
W3M-344	300-399	M	5108	81205
W3M-362	300-399	M	545	602A10
W3M-408	400-499	M	5086	81205
W3M-413	400-499	M	5035	81205
W3M-431	400-499	M	5037	80800
W3M-441	400-499	M	5036	81205
W3M-442	400-499	M	5035	81205
W3M-444	400-499	M	5108	81205
W3M-461	400-499	M	553	81205
W3M-462	400-499	M	545	602A10
W3SA-117	100-199	R	5039	†
W3S	0-99	R	248A	†
W3S-1R30/A	400-499	R	5039	611B18
W3S-1R/30A	500-599	R	5039	611B23

† - To Insure Receiving The Correct Part Refer Order to Factory. Include Model and Serial Number of Unit.

MODEL INDEX SECTION

W2C ENGINE-GENERATOR

PLANT MODEL NO.	ENGINE SECTION		GENERATOR SECTION DATA NO.	CONTROL SECTION WIRING DIAGRAM NO.
	COLUMN	SUB COLUMN		
W3S-1R30/B	500-599	R	5039	611B23
W3S-1R/30B	500-599	R	5039	611B23
W3S-1R31/A	400-499	R	5039	†
W3S-1R/31B	500-599	R	5039	611B23
W3S-1R/206	200-299	R	5039	80140, 83061*
W3S-2	0-99	R	256B	80140
W3S-3	0-99	R	5039	80140
W3S-3R30/A	400-499	R	5041	611B26
W3S-3R30/B	500-599	R	5041	611B26
W3S-3R31/A	400-499	R	5041	611B26
W3S-3R31/B	500-599	R	5041	611B26
W3S-4	0-99	R	236	80155
W3S-5	0-99	R	255A	83039
W3S-6	0-99	R	241	80156
W3S-7	0-99	R	421A	80153
W3S-9	0-99	R	†	80140
W3S-10	0-99	R	5109	80140
W3S-12	0-99	R	274A	80155
W3S-14	0-99	R	248A	80140
W3S-17	0-99	R	5039	80156
W3S-18	0-99	R	405E	80156
W3S-19	0-99	R	236	80155
W3S-20	0-99	R	256B	80140
W3S-21	0-99	R	248A	80140
W3S-22	0-99	R	248A	83043
W3S-24	0-99	R	236	80153, 83046*
W3S-25	0-99	R	5109	†
W3S-26	0-99	R	405E	80153
W3S-27	0-99	R	437	80156
W3S-28	0-99	R	405E	81215
W3S-29	0-99	R	5084	80140
W3S-30	0-99	R	5039	80140
W3S-31	0-99	R	421A	80140
W3S-50	0-99	R	5039	80140
W3S-105	400-499	R	5100	80181
W3S-105M	500-599	R	5100	611B16
W3S-105W	500-599	R	5100	611B16
W3S-110	100-199	R	5109	80140
W3S-111	100-199	R	5109	80155
W3S-114	100-199	R	5039	80140

† = To Insure Receiving the Correct Part Refer Order to Factory. Include Model and Serial Number of Unit.

* = Housing Mounted Control. Used in Addition to Plant Mounted Control. Mounts Voltmeter, Circuit Breaker etc. in Rear of Housing.

MODEL INDEX SECTION

W2C ENGINE-GENERATOR

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PLANT MODEL NO.	ENGINE SECTION		GENERATOR SECTION	CONTROL SECTION
	COLUMN	SUB COLUMN	DATA NO.	WIRING DIAGRAM NO.
W3S-117	100-199	R	5039	80156
W3S-120	100-199	R	256B	80140
W3S-121	100-199	R	405E	80140
W3S-128	100-199	R	405E	81215
W3S-129	100-199	R	5084	80140
W3S-130	100-199	R	5039	80140
W3S-131	100-199	R	421A	80140
W3S-132	100-199	R	5039	†
W3S-133	100-199	R	451	80169
W3S-134	100-199	R	467	80174
W3S-135	100-199	R	463A	80140
W3S-136	100-199	R	†	80177
W3S-137	100-199	R	5039	80176
W3S-138	100-199	R	5039	80140
W3S-139	100-199	R	405E	80183
W3S-140	100-199	R	5039	80140
W3S-141	100-199	R	5040	80140
W3S-142	100-199	R	5109	80140, 83012 ©
W3S-143	100-199	R	5042	80177
W3S-144	100-199	R	421A	80140
W3S-150	100-199	R	5039	80140
W3S-155	400-499	R	5100	80181
W3S-155M	500-599	R	5100	611B16
W3S-155W	500-599	R	5100	611B16
W3S-175	400-499	R	544	80181
W3S-185	400-499	R	546	611B9
W3S-203	200-299	R	5039	82507
W3S-206	200-299	R	538	80140, 83061*
W3S-208	200-299	R	5084	80140
W3S-217	200-299	R	5039	80156
W3S-227	200-299	R	5039	80156
W3S-231	200-299	R	5041	80145
W3S-232	200-299	R	5041	80145
W3S-233	200-299	R	5041	80186
W3S-235	200-299	R	5114A	80145
W3S-237	200-299	R	5039	80176
W3S-238	200-299	R	5039	80140
W3S-241	200-299	R	5040	80140
W3S-243	200-299	R	5042	80177
W3S-244	200-299	R	5109	80140

† - To Insure Receiving the Correct Part Refer Order to Factory. Include Model and Serial Number of Unit.

© - Wall Mounted Panel and Cabinet. Used in Addition to Plant Mounted Controls. Mounts Voltmeter, Circuit Breaker etc.

* - Housing Mounted Control. Used in Addition to Plant Mounted Control. Mounts Voltmeter, Circuit Breaker etc. in Rear of Housing.

MODEL INDEX SECTION

W2C ENGINE-GENERATOR

PLANT MODEL NO.	ENGINE SECTION		GENERATOR SECTION	CONTROL SECTION
	COLUMN	SUB COLUMN	DATA NO.	WIRING DIAGRAM NO.
W3S-250	200-299	R	5039	80140
W3S-252	200-299	R	512	81236
W3S-253	200-299	R	541	80177
W3S-254	200-299	R	5109	80140, 83031*
W3S-255	200-299	R	538	80140, 83061*
W3S-256	200-299	R	541	80177
W3S-260	200-299	R	5039	80140
W3S-306	300-399	R	5115	80140, 83061*
W3S-308	300-399	R	5084	80140
W3S-317	300-399	R	5039	80156
W3S-331	300-399	R	5041	80145
W3S-332	300-399	R	5041	80145
W3S-335	300-399	R	5114A	80145
W3S-337	300-399	R	5039	80176
W3S-338	300-399	R	5039	80140
W3S-341	300-399	R	5040	80140
W3S-343	300-399	R	5042	80177
W3S-344	300-399	R	5109	80140
W3S-345	300-399	R	5118	80140
W3S-350	300-399	R	5039	80140
W3S-353	300-399	R	541	80177
W3S-354	300-399	R	5109	80140, 83031*
W3S-355	300-399	R	5115	80140, 83061*
W3S-357	300-399	R	5115	80140
W3S-358	300-399	R	5039	80140
W3S-359	300-399	R	5041	80186
W3S-360	300-399	R	5039	80140
W3S-361	300-399	R	5115	80140
W3S-362	300-399	R	5039	80140, 83061*
W3S-364	300-399	R	5118	80140, 611B8*
W3S-406	400-499	R	5115	80140, 83061*
W3S-408	400-499	R	5084	80140
W3S-417	400-499	R	5039	80156
W3S-431	400-499	R	5041	80145
W3S-432	400-499	R	5041	80145
W3S-435	400-499	R	5114A	80145
W3S-436	400-499	R	†	80177
W3S-437	400-499	R	5039	80176
W3S-438	400-499	R	5039	80140
W3S-441	400-499	R	5040	80140

† = To Insure Receiving the Correct Part Refer Order to Factory. Include Model and Serial Number of Unit.

* = Housing Mounted Control. Used in Addition to Plant Mounted Control. Mounts Voltmeter, Circuit Breaker etc. in Rear of Housing.

MODEL INDEX SECTION

W2C ENGINE - GENERATOR

25

PLANT MODEL NO.	ENGINE SECTION		GENERATOR SECTION	CONTROL SECTION
	COLUMN	SUB COLUMN	DATA NO.	WIRING DIAGRAM NO.
W3S-443	400-499	R	5042	80177
W3S-444	400-499	R	5109	80140
W3S-445	400-499	R	5118	80140
W3S-450	400-499	R	5039	80140
W3S-453	400-499	R	541	80177
W3S-454	400-499	R	5109	80140, 83031*
W3S-455	400-499	R	5115	80140, 83061*
W3S-457	400-499	R	5115	80140
W3S-458	400-499	R	5039	80140
W3S-459	400-499	R	5041	80140, 80186☒
W3S-460	400-499	R	5039	80140
W3S-461	400-499	R	5115	80140
W3S-462	400-499	R	5039	80140, 83061*
W3S-463	400-499	R	†	80177
W3S-464	400-499	R	5118	80140, 611B8*
W3S-465	400-499	R	554	80145
W3S-506	500-599	R	5115	611B5, 83061*
W3S-508	500-599	R	5084	611B5
W3S-517	500-599	R	5039	611B5
W3S-531	500-599	R	5041	611B6
W3S-532	500-599	R	5041	611B6
W3S-535	500-599	R	5114	611B6
W3S-536	500-599	R	†	611B7
W3S-537	500-599	R	5039	611B5, 80176☒
W3S-538	500-599	R	5039	611B5
W3S-541	500-599	R	5040	611B5
W3S-543	500-599	R	5042	611B7
W3S-544	500-599	R	5109	611B5
W3S-545	500-599	R	5118	611B7
W3S-550	500-599	R	5039	611B5
W3S-553	500-599	R	541	611B7
W3S-554	500-599	R	5109	611B5, 83031*
W3S-555	500-599	R	5115	611B5, 83061*
W3S-557	500-599	R	5115	611B5
W3S-558	500-599	R	5039	611B5
W3S-559	500-599	R	5041	611B6, 80186☒
W3S-560	500-599	R	5039	611B5
W3S-561	500-599	R	5115	611B5
W3S-562	500-599	R	5039	611B5, 83061*
W3S-563	500-599	R	†	611B7

* = Housing Mounted Control. Used in Addition to Plant Mounted Control.
Mounts Voltmeter, Circuit Breaker etc. in Rear of Housing.

† = To Insure Receiving the Correct Part Refer Order to Factory. Include Model and Serial Number of Unit.

☒ = Use only Parts mounted in Rear of Housing. Use other W.D. listed for Plant Mounted Controls.

MODEL INDEX SECTION

W2C ENGINE-GENERATOR

PLANT MODEL NO.	ENGINE SECTION		GENERATOR SECTION	CONTROL SECTION
	COLUMN	SUB COLUMN	DATA NO.	WIRING DIAGRAM NO.
W3S-564	500-599	R	5118	611B7, 611B8*
W3S-565	500-599	R	554	611B6
W3S-566	500-599	R	5039	611B5, 611A21*
W3S-567	500-599	R	5041	611B6
W3S-568	500-599	R	5039	611B23
W3S-569	500-599	R	564	611B7
W3S-571	500-599	R	5039	611B5
W3S-572	500-599	R	5041	611B26, 625A23
W3S-573	500-599	R	5115	611B5
W3S-575	500-599	R	5039	611B5
W2.5S	†	†	†	†
W2.5S-1	†	†	†	†
W2.5S-2	†	†	†	†
W10-20	†	†	†	†
W10-25	0-99	E	5076	83056
W12-22	0-99	E	350	81235
W12-25	0-99	E	350	81216
W24-30	†	†	†	†
W24-35	†	†	175	81223
W28-35	0-99	E	363A	81230
W32-25	0-99	E	364A	81232
W32-25SA-402	400-499	E	5120	617B11
W32-35	0-99	E	61C	81232
W10-25-2	0-99	E	5076	81231
W12-25-1	†	†	†	†
W24-35-2	0-99	E	290A	81223
W24-35-3	0-99	E	175	81233
W28-35-2	0-99	E	363A	81230
W28-35-3	0-99	E	363A	81234
W28-35-5	0-99	E	363A	81234
W28-35-6	0-99	E	†	81234
W32-25-1	0-99	E	5120	80173
W32-35-4	0-99	E	364A	81217
W32-35-5	0-99	E	61C	81214
W32-35-6	†	†	†	†
W24-35-13	0-99	E	419E	81233
W10-25-100	100-199	E	5076	83056
W10-25-200	200-299	E	5076	83056
W10-25-300	300-399	E	5076	83056
W10-25-400	400-499	E	5076	83056
W10-25-500	500-599	E	5076	83056

* = Housing Mounted Control. Used in Addition to Plant Mounted Control.
Mounts Voltmeter, Circuit Breaker etc. in Rear of Housing.

† = To Insure Receiving the Correct Part Refer Order to Factory. Include
Model and Serial Number of Unit.

MODEL INDEX SECTION

W2C ENGINE-GENERATOR

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PLANT MODEL NO.	ENGINE SECTION		GENERATOR SECTION	CONTROL SECTION
	COLUMN	SUB COLUMN	DATA NO.	WIRING DIAGRAM NO.
W10-35-200	200-299	E	5076	83060
W10-35-400	400-499	E	5076	83060
W10-35-500	500-599	E	5076	83060
W12-25-400	400-499	E	350	606B12
W24-35-213	200-299	E	526	81233
W28-35-101	100-199	E	†	81234
W28-35-102	100-199	E	†	81230
W32-25-101	100-199	E	5120	80173
W32-25-102	100-199	E	5120	80182
W32-25-202	200-299	E	5120	80182
W32-25-232	200-299	E	5120	80182
W32-25-302	300-399	E	5120	80182
W32-25-332	300-399	E	5120	80182
W32-25-402	400-499	E	5120	80182
W32-25-432	400-499	E	5120	80182
W32-25-502	500-599	E	5120	80182
W32-25-532	500-599	E	5120	80182
W32-35-202	200-299	E	5120	80182
W32-35-232	200-299	E	5120	80182
W32-35-302	300-399	E	5120	80182
W32-35-306	300-399	E	5075	81237
W32-35-307	300-399	E	5075	606B2
W32-35-308	300-399	E	5075	606B5
W32-35-332	300-399	E	5120	80182
W32-35-402	400-499	E	5120	80182
W32-35-406	400-499	E	5075	81237
W32-35-407	400-499	E	5075	606B2
W32-35-408	400-499	E	5075	606B5
W32-35-432	400-499	E	5120	80182
W32-35-502	500-599	E	5120	80182
W32-35-506	500-599	E	5075	81237
W32-35-507	500-599	E	5075	606B2
W32-35-508	500-599	E	5075	606B5
W32-35-532	500-599	E	5120	80182
W48-35-502	†	†	†	†

† = To Insure Receiving the Correct Part Refer Order to Factory. Include Model and Serial Number of Unit.

GENERATOR SECTION

GENERATOR DATA NO.	POLYPHASE ASBY. NO.	END BELL NO.	END BELL COVER NO.	END BELL BAND NO.	BRUSH RIG ASBY. NO.	A.C. BRUSH NO.	D.C. BRUSH SPRING NO.	ARMATURE ASBY. NO.	FIELD COIL ASBY. NO.	FRAME ASBY. NO.	ARMATURE BRG. NO.
91C	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91D	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91E	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91F	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91G	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91H	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91I	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91J	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91K	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91L	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91M	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91N	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91O	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91P	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91Q	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91R	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91S	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91T	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91U	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91V	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91W	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91X	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91Y	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
91Z	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92A	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92B	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92C	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92D	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92E	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92F	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92G	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92H	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92I	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92J	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92K	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92L	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92M	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92N	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92O	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92P	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92Q	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92R	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92S	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92T	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92U	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92V	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92W	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92X	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92Y	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
92Z	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93A	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93B	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93C	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93D	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93E	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93F	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93G	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93H	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93I	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93J	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93K	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93L	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93M	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93N	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93O	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93P	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93Q	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93R	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93S	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93T	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93U	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93V	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93W	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93X	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93Y	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
93Z	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
94A	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
94B	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
94C	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
94D	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
94E	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
94F	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
94G	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
94H	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
94I	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
94J	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
94K	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
94L	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
94M	221A4	211C31	1265	221B55	212C46	214A18(6)	212B1011	201A40	222A1010	210A1013	910A3
94N	221A4	211C31	1265	221B55	21						

NOTE: EXPLANATION OF SYMBOLS AT END OF DATA LIST.

GENERATOR SECTION

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GENERATOR DATA NO.	POLESHOE ASSEMBLY NO.	END BELL COVER NO.	END BELL BAND NO.	BRUSH RIG ASSEMBLY NO.	A.C. BRUSH NO.	D.C. BRUSH SPRING NO.	ARMATURE ASSEMBLY NO.	FIELD COIL ASSEMBLY NO.	FRAME ASSEMBLY NO.	ARMATURE BRG. NO.
541	221A4	1265	232B55	212C80	214A10(4)	214A23(4)	201A178	222A1022	210A1113	510A1
544	221A4	1265	232B55	212C80	214A27(4)	214A30(4)	201A178	222A1022	210A1113	510A1
546	221A4	1265	232B55	212C80	214A10(2)	214A15(2)	201A203	222A1105	210A1107	510A2
548	221A4	1265	232B55	212C80	214A10(5)	214A23(4)	201A178	222A1022	210A1113	510A2
553	221A4	1265	232B55	212C80	214A27(4)	214A30(4)	201A178	222A1022	210A1113	510A1
554	221A4	1265	232B55	212C80	214A10(3)	214A23(4)	201A178	222A1022	210A1113	510A2
562	221B72	1265	232B55	212C80	214A18(4)	214A23(4)	201A178	222A1022	210A1113	510A2
564	221A51	1265	232B55	212C80	214A10(3)	214A23(4)	201A178	222A1022	210A1113	510A2
5035	221A4	1265	232B55	212C80	214A27(4)	214A30(4)	201A178	222A1022	210A1113	510A1
5038	221A4	1265	232B55	212C80	214A27(4)	214A30(4)	201A178	222A1022	210A1113	510A1
5037	221A4	1265	232B55	212C80	214A10(3)	214A23(4)	201A178	222A1022	210A1113	510A2
5039	221A4	1265	232B55	212C80	214A27(4)	214A30(4)	201A178	222A1022	210A1113	510A1
5040	221A4	1265	232B55	212C80	214A27(4)	214A30(4)	201A178	222A1022	210A1113	510A1
5041	221A51	1265	232B55	212C80	214A10(3)	214A23(4)	201A178	222A1022	210A1113	510A2
5042	221A4	1265	232B55	212C80	214A10(3)	214A23(4)	201A178	222A1022	210A1113	510A2
5062	221A4	1265	232B55	212C80	214A12(4)	214A23(4)	201A178	222A1022	210A1113	510A1
5063	221A4	1265	232B55	212C80	214A12(4)	214A23(4)	201A178	222A1022	210A1113	510A1
5075	221B2	1265	232B42	212C80	214A18(4)	214A23(4)	201A178	222A1022	210A1113	510A1
5078	221A51	1265	232B42	212C80	214A12(4)	214A23(4)	201A178	222A1022	210A1113	510A1
5079	221B2	1265	232B42	212C80	214A12(4)	214A23(4)	201A178	222A1022	210A1113	510A1
5084	221A4	1265	232B55	212C80	214A27(4)	214A30(4)	201A178	222A1022	210A1113	510A1
5086	221A4	1265	232B55	212C80	214A27(4)	214A30(4)	201A178	222A1022	210A1113	510A1
5100	221A4	1265	232B55	212C80	214A27(4)	214A30(4)	201A178	222A1022	210A1113	510A1
5108	221A4	1265	232B55	212C80	214A27(4)	214A30(4)	201A178	222A1022	210A1113	510A1
5109	221A4	1265	232B55	212C80	214A27(4)	214A30(4)	201A178	222A1022	210A1113	510A1
5114A	221A4	1265	232B55	212C80	214A10(3)	214A23(4)	201A178	222A1022	210A1113	510A2
5115	221A4	1265	232B55	212C80	214A27(4)	214A30(4)	201A178	222A1022	210A1113	510A1
5116	221A4	1265	232B55	212C80	214A10(3)	214A23(4)	201A178	222A1022	210A1113	510A1
5119	221B2	1265	232B42	212C80	214A10(3)	214A23(4)	201A178	222A1022	210A1113	510A1
5120	221B2	1265	232B42	212C80	214A18(4)	214A23(4)	201A178	222A1022	210A1113	510A1

EXPLANATION OF SYMBOLS:

- 1265 Used on Ungrounded Models Only. Use #322B1003 on Grounded Models.
- Generator Frame Assemblies Listed Include Poleshoe Assemblies and Field Coil Assemblies.
- Armature Assemblies Include Armature Bearing.
- Brush Rig Assembly Includes Spider
- R. T. F. = Refer to Factory (Always Include Model and Serial Number of Unit).
- Interpole Coil Assembly (Quantity used in Parenthesis after Part Number).
- Brush Rig Assemblies Include Brushes and Springs.
- Quantity used in Parenthesis after Part Number

4 Used per Unit

GENERAL INFORMATION:

CONDENSERS:

- One 0.5 Mfd. Condenser #312A27 used on all Models (connected to Ungrounded D. C. Brush)
- One 0.1 Mfd. Condenser #312A15 used on all Single Voltage Models (110 Volt, 115, 230 etc.) (connected to Ungrounded A. C. Brush)
- Two 0.1 Mfd. Condenser #312A15 used on all Dual Voltage Models (110/230, 115/230 etc.) (connected to Ungrounded A. C. Brush)
- Three 0.1 Mfd. Condensers #312A15 used on all Three Phase Models (connected to Ungrounded A. C. Brush)

CONTROL SECTION

W2C ENGINE-GENERATOR

WIRING DIAGRAMS

80140

300A196 Panel Assembly
 301B209 Side Panel (Instrument Side)
 Gas-Gaso Models
 303P25 Rheostat
 313A25 Start-Stop Switch
 308-5 Ignition Toggle Switch
 306A120 Start Relay
 306A122 Charge Relay
 314A87 Choke Coil (Ignition Circuit)
 314A86 Choke Coil
 312A60 Condenser (2) (.5 Mfd.)
 302-58 Ammeter (10-0-10)
 304A113 Resistance Wire
 301B21 Side Panel (Plain)
 301B20 Side Panel (Instrument Side)
 Gasoline Models (Use
 Panel #301B467)

80145

303P25 Rheostat
 312A60 Condenser (2) (.5 Mfd.)
 304A113 Resistance Wire
 302-58 Ammeter (10-0-10)
 313A25 Start-Stop Switch
 308-5 Toggle Switch
 306A120 Start Relay
 306A122 Charge Relay
 314A87 Choke Coil (Ignition Circuit)
 314A86 Choke Coil
 300A196 Panel Assembly
 301B209 Side Panel (Instrument Side)
 Gas-Gaso Models
 12815 Saddle (Base)
 301C978 Control Box Cover
 301B20 Side Panel (Instrument Side)
 Gasoline Models (Use
 Panel #301B467)
 301B21 Side Panel (Plain)

80153

12795B Panel Assembly
 303P25 Rheostat
 304A113 Resistance Wire
 302-58 Ammeter (10-0-10)
 313A25 Start-Stop Switch
 306A120 Start Relay
 306A122 Charge Relay
 314A86 Choke Coil
 312A15 Condenser (.1 Mfd.)

80154

12826 Panel Only
 12827 Panel Assembly
 303P25 Rheostat
 304A113 Resistance Wire
 302-58 Ammeter (10-0-10)
 313A25 Start-Stop Switch
 306A120 Start Relay
 306A122 Charge Relay
 312A27 Condenser (.5 Mfd.) R. H.
 312A17 Condenser (.5 Mfd.) L. H.
 314A12 Choke Coil (3)

WIRING DIAGRAMS

80155

12826 Panel Only
 12828 Panel Assembly
 303P25 Rheostat
 304A113 Resistance Wire
 302-58 Ammeter (10-0-10)
 313A25 Start-Stop Switch
 306A120 Start Relay
 306A122 Charge Relay
 312A27 Condenser (.5 Mfd.) R. H.
 312A17 Condenser (.5 Mfd.) L. H.
 314A12 Choke Coil (2)

80156

12826 Panel Only
 12827 Panel Assembly
 303P25 Rheostat
 304A114 Resistance Wire
 302-58 Ammeter (10-0-10)
 313A25 Start-Stop Switch
 306A120 Start Relay
 306A122 Charge Relay
 312A27 Condenser (.5 Mfd.) R. H.
 312A17 Condenser (.5 Mfd.) L. H.
 314A12 Choke Coil
 1822 Choke Coil (2)

80157

303P25 Rheostat
 304A113 Resistance Wire
 302-58 Ammeter (10-0-10)
 313A25 Start-Stop Switch
 308-5 Toggle Switch
 306A120 Start Relay
 306A122 Charge Relay
 314A86 Choke Coil
 314A87 Choke Coil (Ignition Circuit)
 312A15 Condenser (.1 Mfd.)
 12795 Panel

80160

79636 Control Bracket
 79723 Control Box
 79726 Terminal Block
 307B6 Start Solenoid (Use #307B40)
 307-11 Line Relay
 307A197 Kurman Relay
 320-46 Cranking Limiter
 308-2 Toggle Switch (2)
 312A27 Condenser (.5 Mfd.)
 304-110 Resistor (60 OHM)
 Reverse Current Relay - Refer to Factory

80162

301B639 Resistor Box
 13520 Side Panel
 12800 Saddle (Base)
 313A25 Start-Stop Switch
 302-57 Ammeter (3-0-3)
 77204A Charge Relay
 304-122 Resistor (Adjustable 25 OHM)
 304-78 Resistor (Fixed 25 OHM) (2)

(Continued on next page)

CONTROL SECTION

W2C ENGINE-GENERATOR

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WIRING DIAGRAMS

WIRING DIAGRAMS

80162 (Cont'd.)

304-79 Resistor (Fixed 100 OHM)
Start Relay- Order by Diagram No. (Include Model and Serial No. of Unit)

80166

300A196 Panel Assembly
13520 Side Panel
301B639 Resistor Box
301C55 Circuit Breaker Panel
303-7 Rheostat
308A9 Start-Stop Switch (Remote)
302-30 Ammeter (0-50)
322A2 Panel Lamp Socket
302-50 Voltmeter (0-150)
320-6 Circuit Breaker
308-2 Panel Lamp Switch
323-109 Trouble Receptacle
313A25 Start-Stop Switch
302-57 Charge Ammeter (3-0-3)
77204A Charge Relay
304-122 Resistor (Adjustable 25 OHM)
304-78 Resistor (Fixed 25 OHM) (2)
304-79 Resistor (Fixed 100 OHM)
Start-Relay - Order by Diagram Number
(Include Model and Serial No. of Unit.)

80168B

322A2 Panel Light Socket
302-7 Ammeter (0-50)
302-50 Voltmeter (0-150)
301C47 Panel
320-6 Circuit Breaker
308-2 Panel Light Switch
308A29 Stop Switch
323-109 Trouble Lamp Receptacle
312A17 Condenser (.5 Mfd.)

80169

301A115 Control Box Cover
301C89 Control Box Support
301C88 Control Box
312A17 Condenser (.5 Mfd.)
306A120 Start Relay
306A122 Charge Relay
302-58 Ammeter (10-0-10)
304A113 Resistance Wire
303P25 Rheostat
313A25 Start-Stop Switch
12832 Choke Coil

80173

307B87 Reverse Current Relay
302B71 Shunt
302-32 Ammeter (0-150)
308A28 Start Switch
308A29 Stop Switch
312A27 Condenser (.5 Mfd.)
332A184 Clip
79715 Saddle
302A74 Shunt Bracket
12784 Box
79727 Panel

80174

304A113 Resistance Wire
303P25 Rheostat
302-58 Ammeter (10-0-10)
306A120 Start Relay
306A122 Charge Relay
313A25 Start-Stop Switch
312A16 Condenser (.01 Mfd.)
314A86 Choke Coil
300A196 Panel Assembly
79531 Outlet Box
301A149 Outlet Box Cover
323-23 Receptacle (3)
323-48 Receptacle (2)
322A2 Panel Light Socket

80176

300A196 Panel Assembly
301C166 Box
323-73 Plugs
303P25 Rheostat
313A25 Start-Stop Switch
308-5 Ignition Toggle Switch
306A120 Start Relay
306A122 Charge Relay
314A86 Choke Coil
314A87 Choke Coil (Ignition Circuit)
312A60 Condenser (2) (.5 Mfd.)
304A113 Resistance Wire
323-23 Receptacle (4)
323-48 Receptacle (2)
308-2 Panel Light Switch
308A9 Start-Stop Switch
322A2 Panel Light Socket
302-58 Ammeter (10-0-10)

80177

300A196 Panel Assembly
301C978 Cover
313A25 Start-Stop Switch
308-5 Ignition Toggle Switch
306A120 Start Relay
306A122 Charge Relay
314A87 Choke Coil (Ignition Circuit)
314A86 Choke Coil
312A60 Condenser (2) (.5 Mfd.)
304A113 Resistance Wire
303P25 Rheostat
302-58 Ammeter (10-0-10)

CONTROL SECTION

W2C ENGINE-GENERATOR

WIRING DIAGRAMS

80181

308-19	High Low Charge Switch
302-61	Ammeter (30-0-30)
312A60	Condenser (2) (.5 Mfd.)
314A87	Choke Coil (Ignition Circuit)
314A86	Choke Coil
306B127	Charge Relay
307-61	Start Solenoid
308-5	Ignition Toggle Switch
313A25	Start-Stop Switch
304-19	Resistor (3 OHM)
304-18	Resistor (.17 OHM)
304-33	Resistor (1.5 OHM)
301B639	Resistor Box
12795C	Panel Assembly
301C978	Cover

80182

301C289	Control Box
301B214	Control Panel
301C290	Control Box Support
307-87	Reverse Current Relay
304-3	Resistor (5 OHM)
308-6	Ignition Toggle Switch (Use #308-5)
308A28	Start Switch
308A29	Stop Switch
302B71	Shunt
302A74	Shunt Bracket
312A27	Condenser (2)
302-32	Ammeter (0-150) Use #302-238

80183

304A113	Resistance Wire
312A60	Condenser (.5 Mfd.) (2)
302-58	Charge Ammeter (10-0-10)
303P25	Rheostat
313A25	Start-Stop Switch
308-5	Ignition Toggle Switch
306A120	Start Relay
306A122	Charge Relay
314A86	Choke Coil
314A87	Choke Coil (Ignition Circuit)
300A196	Panel Assembly
301C166	Control Box
323-12	Receptacle Plug
323-11	Receptacle (4)
312A15	Condenser (.1 Mfd.)
323A48	Receptacle (2)
308-2	Panel Light Switch
308A9	Start-Stop Switch
322A2	Panel Light Socket

80186

303P25	Rheostat
300A196	Panel Assembly
301C244	Panel
302-58	Ammeter (10-0-10)
304A113	Resistance Wire
312A60	Condenser (.5 Mfd.) (2)

(Continued next column)

WIRING DIAGRAMS

80186 (Cont'd.)

313A25	Start-Stop Switch
308-5	Ignition Toggle Switch
306A120	Start Relay
306A122	Charge Relay
314A86	Choke Coil
314A87	Choke Coil (Ignition Circuit)
322A2	Panel Light Socket
302-103	Ammeter (0-15) (2)
308-2	Panel Light Switch
302-53	Voltmeter (0-300)
320-24	Circuit Breaker
308A9	Start-Stop Switch
312A15	Condenser (.1 Mfd.) (2)

80187

303P25	Rheostat
302-58	Ammeter
312A25	Start-Stop Switch
312A17	Condenser (2) (.5 Mfd.) L. H.
314A12	Choke Coil (2)
306A120	Start Relay
306A122	Charge Relay
312A27	Condenser (.5 Mfd.) R. H.
301B264	Control Box Cover
301B262	Control Box Side Panel
12828A	Control Panel Assembly
307-39	Start-Stop Relay
304A113	Resistance Wire

80800

Ignition Circuit Only. No Control Parts Involved.

80802

301C242	Panel
405C130	Rear Panel
322A2	Panel Light Socket
308-2	Panel Light Switch
308A29	Stop Switch
323-48	Receptacle (2)
323-11	Receptacle (4)
323-12	Receptacle Plugs
312A59	Condenser (.25 Mfd.)

80804

330A1	Handy Box
330-6	Handy Box Cover
301A472	Resistor Housing
304-110	Resistor (Use W/115 V. Models) (60 OHM)
304-127	Resistor (Use W/230 V. Models) (300 OHM)

CONTROL SECTION

W2C ENGINE-GENERATOR

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WIRING DIAGRAMS

80805

301C296	Panel
322A2	Panel Light Socket
302-30	Ammeter (0-50)
320-6	Circuit Breaker
302-50	Voltmeter (0-150)
323-48	Receptacle
308A29	Stop Switch
312A17	Condenser (.5 Mfd.)
308-2	Panel Light Switch

80806

12800	Saddle (Base)
301B307	Panel
13520	Side Panel
301B639	Resistor Box
304-58	Resistor (Adjustable 50 OHM)
302-57	Ammeter (3-0-3)
304-122	Resistor (Adjustable 25 OHM)
304-78	Resistor (Fixed 25 OHM) 2
304-79	Resistor (Fixed 100 OHM)
77204A	Charge Relay
313A25	Start-Stop Switch
307-61	Start Solenoid

81203

12891	Panel
302-3	Ammeter (2) (0-15)
302-41	Voltmeter (0-300)
308-2	Panel Light Switch
322A2	Panel Light Socket
323-109	Trouble Light Receptacle
308A29	Stop Switch
320-17	Circuit Breaker (2)

81204

Ignition Circuit Only. No Control
Parts Involved.

81205

Ignition Circuit Only. No Control
Parts Involved.

81206

12914	Panel
308A29	Stop Switch
320P20	Circuit Breaker
323P23	Receptacle (4)

81207

Ignition Circuit Only. No Control
Parts Involved.

WIRING DIAGRAMS

81208

322A2	Panel Light Socket
302-7	Ammeter (0-50)
302-40	Voltmeter (0-150)
301C1082	Panel
308-2	Panel Light Switch
323-109	Trouble Lamp Receptacle
320P20	Circuit Breaker
308A29	Stop Switch

81209

Ignition Circuit Only - No Control
Parts Involved.

81210

301A108	Panel
308A29	Stop Switch

81214

301C30	Box
79715	Saddle
301B103	Panel
302A74	Shunt Bracket
307B87	Reverse Current Relay
320-51	Circuit Breaker
308A28	Start Switch
308A29	Stop Switch
332-184	Clip
302-32	Ammeter (0-150) Use#302-238
302B71	Shunt
302-49	Voltmeter (0-50)
308-6	Ignition Toggle Switch (Use #308-5)
303-26	Rheostat

81215

301C88	Control Box
301A115	Control Box Cover
301C89	Control Saddle
313A25	Start-Stop Switch
303P25	Rheostat
304A113	Resistance Wire
302-58	Ammeter (10-0-10)
12832	Choke Coll
306A120	Start Relay
306A122	Charge Relay
312A16	Condenser (.01 Mfd.) (2)
8788	Radio Filter (2)
312A17	Condenser (.5 Mfd.)

CONTROL SECTION

W2C ENGINE-GENERATOR

WIRING DIAGRAMS

81216

301B53	Panel
79710	Box
79636	Box Support
302A74	Shunt Bracket
305-23	Voltage Regulator
332A18	Terminal Block
312A27	Condenser (.5 Mfd.)
307-2	Reverse Current Relay
302B72	Shunt
308A9	Start-Stop Switch
308-6	Ignition Toggle Switch (Use #308-5)
307B6	Start Solenoid (Use #307B40)
302-33	Ammeter (0-200)

81217

12794	Box
79727	Panel
79715	Saddle
302A74	Shunt Bracket
307B87	Reverse Current Relay
312A27	Condenser (.5 Mfd.)
308A28	Start Switch
308A29	Stop Switch
302B71	Shunt
332A184	Clip
302-32	Ammeter (0-150) Use #302-238
303-1	Rheostat

81220

322A2	Panel Light Socket
302-7	Ammeter (0-50)
302-40	Voltmeter (0-150)
301C1082	Panel
308-2	Panel Light Switch
323-109	Trouble Lamp Receptacle
320P20	Circuit Breaker
308A29	Stop Switch
312A27	Condenser (.5 Mfd.)

81223

302A74	Shunt Bracket
302B71	Shunt
79634	Control Box
79635	Control Panel
79636	Control Box Support
308-2	Ignition Switch
308A28	Start Switch
302-32	Ammeter (0-150)
307B3	Reverse Current Relay
306A122	Charge Relay

81228

12867	Panel
302-4	Ammeter (0-25) Use #302-5
302-41	Voltmeter (0-300)
308A29	Stop Switch
320-2	Circuit Breaker

WIRING DIAGRAMS

81230

79717B	Control Box
79715	Control Box Support
79716	Control Box Cover
302A74	Shunt Bracket
305-22	Voltage Regulator
332A18	Terminal Block
307-3	Reverse Current Relay
312A18	Condenser (.01 Mfd.)
308A9	Start-Stop Switch
302B71	Shunt
302-32	Ammeter (0-150) Use #302-238
332A18	Terminal Block
304-67	Resistor (5 OHM)
307B6	Start Solenoid (Use #307B40)

81231

79722	Box
79636	Box Support
79722B	Bracket
79617	Panel
302A74	Shunt Bracket
77019	Resistor (35 OHM)
307B26	Reverse Current Relay
77005A	Start Relay
320-6	Circuit Breaker
308A9	Start-Stop Switch
302P61	Ammeter (30-0-30)
303-7	Rheostat

81232

79715	Saddle
302A74	Shunt Bracket
12794	Box
79727	Panel
307B87	Reverse Current Relay
312A27	Condenser (.5 Mfd.)
308A28	Start Switch
308A29	Stop Switch
302B71	Shunt
302-32	Ammeter (0-150) Use #302-238
332-184	Clip

81233

302A74	Shunt Bracket
302B71	Shunt
79715	Saddle
12794	Control Box
79716	Control Box Cover
312A27	Condenser (.5 Mfd.)
307B3	Reverse Current Relay
308A9	Start-Stop Switch
302-32	Ammeter (0-150) Use #302-238
332A18	Terminal Block
304-67	Resistor (5 OHM)
307B6	Start Solenoid (Use #307B40)

CONTROL SECTION

W2C ENGINE-GENERATOR

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WIRING DIAGRAMS

<u>81234</u>	
79716	Panel
12794	Control Box
302A74	Shunt Bracket
79715	Saddle
302-32	Ammeter (0-150) Use #302-238
302B71	Shunt
307B3	Reverse Current Relay
312A16	Condenser (.01 Mfd.)
308A9	Start-Stop Switch
332A18	Terminal Block
304-67	Resistor (5 OHM)
307B6	Start Solenoid (Use #307B40)
305-18	Voltage Regulator
305-6	Voltage Regulator Base

<u>81235</u>	
12806	Panel
12807	Control Box
12805	Control Box Support
312A27	Condenser (.5 Mfd.)
312A16	Condenser (.01 Mfd.)
307B2	Reverse Current Relay
308A9	Start-Stop Switch
332A18	Terminal Block
307B6	Start Solenoid (Use #307B40)
302-33	Ammeter (0-200)
302-82	Voltmeter (0-20)
305-19	Voltage Regulator
305-6	Voltage Regulator Base
308-5	Ignition Toggle Switch
302B72	Shunt

<u>81236</u>	
12795B	Panel Assembly
301C372	Control Saddle
301C373	Receptacle Box
303P25	Rheostat
304A113	Resistance Wire
302-58	Ammeter (10-0-10)
323-48	Receptacle (2)
313A25	Start-Stop Switch
306A120	Start Relay
306A122	Charge Relay
314A86	Choke Coil
312A15	Condenser (.1 Mfd.)

<u>81237</u>	
302A74	Shunt Bracket
301C337	Instrument Panel
301A336	Charge Relay Bracket
301A335	Terminal Bracket
302-32	Ammeter (0-150) Use 302-238
302-49	Voltmeter (0-50)
320-51	Circuit Breaker
302B71	Shunt
308A28	Start Switch
308A29	Stop Switch

WIRING DIAGRAMS

<u>81237 (Cont'd.)</u>	
312A17	Condenser (.5 Mfd.)
303-2	Rheostat
307B87	Reverse Current Relay
<u>82507</u>	
300A196	Panel Assembly
301C70	Automatic Control Box Assembly
301C11	Automatic Control Chassis
313A25	Start-Stop Switch
308-5	Ignition Toggle Switch
303P25	Rheostat
304A113	Resistance Wire
302-58	Ammeter (10-0-10)
306A120	Start Relay
306A122	Charge Relay
314A87	Choke Coil (Ignition Circuit)
314A86	Choke Coil
312A15	Condenser (.5 Mfd.)
308A9	Start-Stop Switch
332A18	Terminal Block
307-11	Line Relay
1920	Fuse Receptacle
304-5	Resistor (150 OHM)
302-119	Current Transformer
305-7	Rectifier
322-12	Ballast Lamp
307-9	Stop Relay
307-10	Pilot Relay
308-11	Toggle Switch
320-71	Circuit Breaker (Use Kit #325K2)

<u>83012</u>	
79533	Panel and Cabinet
79534	Cabinet Backplate
79535	Terminal Cover Plate
302-4	Ammeter (0-25) Use #302-5
302-41	Voltmeter (0-300)
320-2	Circuit Breaker

<u>83026</u>	
75896	Panel
322A2	Panel Light Socket
308A29	Stop Switch
308-2	Lamp Switch
323-23	Receptacle (4)

<u>83031</u>	
12852	Panel
322A2	Panel Light Socket
302-4	Ammeter (0-25) Use 302-5
302-41	Voltmeter (0-300)
308-2	Panel Light Switch
308A9	Start-Stop Switch
323-109	Trouble Lamp Receptacle
320-2	Circuit Breaker

(Continued next column)

CONTROL SECTION

W2C ENGINE-GENERATOR

WIRING DIAGRAMS

83039

12883 Control Panel
 12825A Control Panel Assv.
 312A17 Condenser (5) (.5 Mfd.) L. H.
 12833 Choke Coil (2)
 303-23 Rheostat
 302P60 Ammeter (20-0-20)
 306A120 Start Relay
 306A122 Charge Relay
 312A27 Condenser (3) (.5 Mfd.) R. H.
 12830 Choke Coil (2)
 12834 Choke Coil (4)
 320-22 Circuit Breaker (2)
 308A9 Start-Stop Switch (2)
 302-4 Ammeter (0-25) (2) Use 302-5
 302-40 Voltmeter (2) (0-150)
 323-23 Receptacle (DC)2
 323-109 Receptacle (AC)2
 312A15 Filter Condenser

83043

12495 Panel Frame
 12496 Panel Box
 12827A Panel Assembly
 12883 Panel
 12833 Choke Coil (2) DC
 313A25 Start-Stop Switch
 303P25 Rheostat
 306A120 Start Relay
 306A122 Charge Relay
 302-58 Ammeter (10-0-10)
 312A27 Condenser (.5 Mfd.)
 12830 Choke Coil (2) AC
 302-7 Ammeter (0-50)
 302-40 Ammeter (0-150)
 320P20 Circuit Breaker
 323-109 Trouble Lamp Receptacle

83046

302-4 Ammeter (0-25) Use #302-5
 302-41 Voltmeter (0-300)
 320-2 Circuit Breaker
 308A9 Start-Stop Switch
 8788 Radio Filter
 323-109 Trouble Lamp Receptacle

83047

301C47 Panel
 322A2 Panel Light Socket
 302-4 Ammeter (0-25) Use #302-5
 302-41 Voltmeter (0-300)
 320-22 Circuit Breaker
 308-2 Panel Light Switch
 308A29 Stop Switch
 323-109 Trouble Lamp Receptacle

WIRING DIAGRAMS

83056

303-8 Rheostat
 302-98 Ammeter (0-25)
 308A9 Start-Stop Switch
 307-41 Automatic Contactor Relay
 307-84 Reverse Current Relay
 321-68 Fuse Holder
 321-12 Fuse (30 Amp.)
 332A106 Terminal Bracket
 312A27 Condenser (.5 Mfd.)
 332-18 Terminal Block
 304-110 Resistor (2) (60 OHM)
 301B271 Panel
 301C182 Box
 301B206 Resistor Box
 335B15 Cable
 321A69 Fuse Holder Bracket

83060

301B271 Panel
 301B206 Resistor Box
 301C182 Box
 303-8 Rheostat
 302-30 Ammeter (0-50)
 308A9 Start-Stop Switch
 307-84 Reverse Current Relay
 307-41 Automatic Contactor Relay
 321-17 Fuse Block
 321-18 Fuse (40 Amp.)
 332-18 Terminal Block
 304-110 Resistor (60 OHM)
 312A17 Condenser (.5 Mfd.)

83061

302-7 Ammeter (0-50)
 308-2 Panel Light Switch
 322A2 Panel Light Socket
 302-40 Voltmeter (0-150)
 308A9 Start-Stop Switch
 323-62 Trouble Receptacle
 320-19 Circuit Breaker
 12852 Panel

CONTROL SECTION

W2C ENGINE-GENERATOR

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WIRING DIAGRAMS

602A10

301C1082	Instrument Panel
12849	Rear End Panel
330A1	Handy Box
330A6	Handy Box Cover
302-101	Ammeter (0-10)
302-150	Voltmeter (750 V.)
302-163	Resistor

606B2

307B87	Reverse Current Relay
312A27	Condenser (.5 Mfd.)
308A28	Start Switch
308A29	Stop Switch
302B71	Shunt
302-32	Ammeter (0-150) Use #302-238
332-184	Clip
303-2	Rheostat
301C289	Control Box
301C290	Control Box Support
79727	Control Box Front Panel
301B411	Control Box Rear Panel
302A74	Shunt Bracket

606B5

302A74	Shunt Bracket
301C337	Instrument Panel
301A336	Charge Relay Bracket
301A335	Terminal Bracket
302-32	Ammeter (0-150) Use #302-238
302-49	Voltmeter (0-50)
320-51	Circuit Breaker
302B71	Shunt
308A28	Start Switch
308A29	Stop Switch
312A17	Condenser (.5 Mfd.)
303-2	Rheostat
307B87	Reverse Current Relay
323-56	Output Receptacle

606B12

307B2	Reverse Current Relay
312A27	Condenser (.5 Mfd.)
302B71	Shunt (2)
308A28	Start Switch
308A29	Stop Switch
302-34	Ammeter (0-300)
303-25	Rheostat
308-6	Ignition Toggle Switch (Use #308-5)
332-135	Terminal
304-50	Resistor
301B289	Control Box
301B462	Control Panel
301C290	Control Box Support
302A74	Shunt Bracket

WIRING DIAGRAMS

606B26

312A27	Condenser (.5 Mfd.)
304-62	Resistor (25 OHM)
307B87	Reverse Current Relay
302B70	Shunt
304A11	Resistor (50 OHM)
308A28	Start Switch
308A29	Stop Switch
332-184	Clip
303-43	Rheostat
302-99	Ammeter (0-100)
301C289	Control Box
301C290	Control Box Support
79727	Control Box Front Panel
302A74	Shunt Bracket
301B411	Control Box Rear Panel

611B5

313A25	Start-Stop Switch
332-231	Terminal Block
332A237	Marker Strip
308-6	Ignition Toggle Switch (Use #308-5)
332A222	Terminal Block
308-7	High-Low Charge Switch
304A123	Resistance Wire (Use #304A113)
304-120	Resistor (2 OHM)
302-58	Ammeter (10-0-10)
307B180	Reverse Current Relay
312A15	Condenser (.1 Mfd.)
307-40	Start Solenoid
304-121	Resistor (10 OHM)
307-81	Ignition Relay
301C978	Cover
301C449	Control Panel
301B467	Side Panel
300-144	Control Panel Assy.

611B6

301C978	Cover
12815	Saddle (Base)
301C449	Control Panel
301B467	Side Panel
300-145	Control Panel Assy.
332-236	Terminal Block
332A238	Marker Strip
313A25	Start-Stop Switch
308-6	Ignition Toggle Switch (Use #308-5)
307-81	Ignition Relay
332A222	Terminal Block
308-7	High-Low Charge Switch
304-120	Resistor (2 OHM)
304A123	Resistance Wire (Use 304A113)
302-58	Ammeter (10-0-10)
307B180	Reverse Current Relay
312A15	Condenser (.1 Mfd.)
307-40	Start Solenoid
304-121	Resistor (10 OHM)

CONTROL SECTION

W2C ENGINE-GENERATOR

WIRING DIAGRAMS

611B7

301A107	Instrument Panel Hole Cover Plate
301C449	Control Panel
301C978	Cover
301B467	Side Panel
300-146	Control Panel Assy.
313A25	Start-Stop Switch
332-254	Terminal Block (Used on 4 Wire Models)
332-255	Marker Strip (Used on 4 Wire Models)
332-236	Terminal Block (Used on 3 Wire Models)
332A238	Marker Strip (Used on 3 Wire Models)
332A222	Terminal Block
308-7	High-Low Charge Switch
304A123	Resistance Wire (Use #304A113)
304-120	Resistor (2 OHM)
302-58	Ammeter (10-0-10)
307B180	Reverse Current Relay
312A15	Condenser (.1 Mfd.)
307-40	Start Solenoid
304-121	Resistor (10 OHM)
308-6	Ignition Toggle Switch (Use 308-5)
307-81	Ignition Relay

611B8

5303	Cover
301C469	Panel
332A173	Terminal Block
308A9	Start-Stop Switch
308-22	Selector Switch
302-41	Voltmeter (0-300)
320-70	Circuit Breaker
302-133	Ammeter (0-15)
302B109	Transformer Mtg. Panel (3)
302A128	Panel Mtg. Bracket (3)
302-134	Current Transformer (3)

611B9

12795C	Panel Assembly
301B639	Resistor Box
301C978	Cover
313A25	Start-Stop Switch
308-19	High-Low Charge Switch
308-5	Ignition Toggle Switch
307-61	Start Solenoid
302-61	Ammeter (30-0-30)
312A60	Condenser (2) (.5 Mfd.)
314A87	Choke Coil (Ignition Circuit)
314A86	Choke Coil
306B127	Charge Relay
304-19	Resistor (3 OHM)
304-18	Resistor (.17 OHM)
304-33	Resistor (1.5 OHM)

WIRING DIAGRAMS

611B16

301B639	Resistor Box
12795C	Panel Assembly
301C978	Cover
308-19	High-Low Charge Switch
313A25	Start-Stop Switch
302-61	Ammeter (30-0-30)
312A15	Condenser (.1 Mfd.)
306B127	Charge Relay
314A86	Choke Coil
304-18	Resistor (.17 OHM)
304-33	Resistor (1.5 OHM)

611B18

300A196	Control Panel
301C978	Control Cover
313A25	Start-Stop Switch
303P25	Rheostat
304A113	Resistance Wire
312A60	Condenser (.5 Mfd.)
302-58	Ammeter (10-0-10)
314A87	Choke Coil
306A122	Charge Relay
306A120	Start Relay
308-5	Ignition Toggle Switch
301B517	Rear Panel
302-180	Voltmeter (for 115 V. Models) (0-150)
302-53	Voltmeter (for 230 V. Models) (0-300)

611A21

322A2	Panel Light Socket
302-7	Ammeter (0-50)
308-2	Panel Light Switch
302-40	Voltmeter (0-150)
308A9	Start-Stop Switch
323-62	Trouble Receptacle
320-19	Circuit Breaker
12852	Panel
79602	Outlet Box
323-63	Receptacle (4)

611B23

313A25	Start-Stop Switch
332-231	Terminal Block
332A237	Marker Strip
332A222	Terminal Block
308-7	High-Low Charge Switch
304-120	Resistor (2 OHM)
304A123	Resistance Wire (Use #304A113)
302-58	Ammeter (10-0-10)
307B180	Reverse Current Relay
312A15	Condenser (.1 Mfd.)
307-40	Start Solenoid
304-121	Resistor (10 OHM)
302-180	Voltmeter (for 115 V. Models) (0-150)

(Continued on next page)

CONTROL SECTION

W2C ENGINE-GENERATOR

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WIRING DIAGRAMS

611B23 (Cont'd)

302-53	Voltmeter (for 230 V. Models) (0-300)
308-6	Ignition Toggle Switch (Use #308-5)
307-61	Ignition Relay
301B517	Rear Panel
301C978	Cover
301C449	Control Panel
301B467	Side Panel
300-144	Panel Assembly

611B26

313A25	Start-Stop Switch
301C978	Cover
12815	Saddle (Base)
301C449	Control Panel
301B467	Front Panel
300-144	Panel Assembly
302-53	Voltmeter (0-300)
301B517	Rear Panel
332A238	Marker Strip
332-236	Terminal Block
332A222	Terminal Block
308-6	Ignition Toggle Switch (Use #308-5)
307-81	Ignition Relay
308-7	High-Low Charge Switch
304A123	Resistance Wire (Use #304A113)
304-120	Resistor (2 OHM)
302-58	Ammeter (10-0-10)
307B180	Reverse Current Relay
312A15	Condenser (.1 Mfd.)
307-40	Start Solenoid
304-12	Resistor (10 OHM)

617B11

301C410	Box
301B447	Control Panel
332A194	Ground Strap
332A228	Fuse Jumper Strap (2)
308-26	Start-Stop Switch
302-64	Ammeter
307-58	Reverse Current Relay (Use #307-112)
307-51	Differential Voltage Relay
308-2	Toggle Switch
320-68	Circuit Breaker
303-48	Rheostat
307-61	Start Solenoid
321-25	Fuse (100 Amp)
321-57	Fuse Clip

WIRING DIAGRAMS

617B17

307-35	Line Relay (60 Cycle Models)
307-66	Line Relay (50 Cycle Models)
302-147	Transformer
304-131	Resistor (750 OHM)
308-11	Switch
312-62	Condenser (.3 Mfd.)
307-62	Start-Stop Relay
320-71	Safety Breaker (Use Kit #325K2)
303-57	Rheostat
321-19	Fuse Block
301C442	Box
301B444	Panel

625A23

Diagrams for Headbolt or Crankcase Heater Only. For Parts Refer to Factory along with the Model and Serial Number of the Unit.

ENGINE SECTION

ENGINE GENERATOR

W2C SERIES

PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R
140A338	Adapter Assy., Air Cleaner - (Aluminum) (Not Used with Updraft Carburetor)	1	1		1	1		1	1		1	1		1	1		1	1				
140A335	Adapter Assy., Air Cleaner (Used Only with Updraft Carburetor #141B521. (Incl. Adapter, Stud and Set Screw)	1																				
123A427	Adapter, Breather Vapor Trap (Manual Model)																					
123A430	Adapter, Breather Vapor Trap (All Models)				1	1		1	1		1	1		1	1		1	1				
142A3	★ Adapter, Carburetor (Gas-Gas Models Only)				x	x		x	x		x	x		x	x		x	x				
123B38	Adapter, Crankcase Breather				1	1		1	1		1	1		1	1		1	1				
12116A	Arm Assy., Gov. - Compression Type (Used prior to 10/23/42)																					
12154	Arm Assy., Gov. (Used prior to 10/23/42)	1																				
150A522	Arm Assy., Gov. - Tension Type (Used begin with 10/23/42)	1	1		1	1		1	1		1	1		1	1		1	1				
150A99	★ Arm Assembly, Governor (Models with Gas- Gasoline Carburetors only)				1	1		1	1		1	1		1	1		1	1				
★ - Use also on Model W38-575.																						
- B -																						
510-43	Ball, Governor Shaft Bearing 5/16"	1	1		1	1		1	1		1	1		1	1		1	1				
12880	Band, Fuel Tank (W3M Housed Models begin with Serial #10000 (Use with Tank 159B445))	1			1			1			1			1			1					
159B235	Band, Fuel Tank Mtg. Bracket (Included in Tank Assembly #159B438)	2			2			2			2			2			2					
159A434	Base, Fuel Tank Tube (Used with 5 Gal. separate Tank Assy. #415A11 with outlet on top)																					
102E258	Base, Oil	1	1		1	1		1	1		1	1		1	1		1	1				
130C88	Base, Radiator	1	1		1	1		1	1		1	1		1	1		1	1				
101A103	Bearing, Camshaft - Front	1	1		1	1		1	1		1	1		1	1		1	1				
101A99	Bearing, Camshaft - Rear	1	1		1	1		1	1		1	1		1	1		1	1				
101B96	† Bearing, Crankshaft - Front and Rear	2	2		2	2		2	2		2	2		2	2		2	2				
510P53	Bearing, Governor Shaft Needle - (Not used on some early Models)	2			2			2			2			2			2					

† - Also available in .020 U.S.

ENGINE SECTION

ENGINE GENERATOR

PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R
115A60	Bearing, Valve Lifter	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4						
511P37	Belt, Fan - Models WITHOUT Water Pump																					
511-6	Belt, Fan - Models WITH Water Pump																					
110D767	▲Block Assy., Cylinder - with Stellite Seat Inserts(Models with Thermo Choke)	1	1	1																		
110D768	▲Block Assy., Cylinder - with Stellite Seat Inserts and Stellite Valves(Models with Thermo Choke)	1	1	1																		
110D192	▲Block Assy., Cylinder - with Stellite Seat Inserts - Models with Water Pump	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
110A198	▲Block Assy., Cylinder - with Stellite Seat Inserts and Stellite Valves - Models with Water Pump	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
110D195	▲Block Assy., Cylinder - with Stellite Seat Inserts(No Water Pump)				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
110A201	▲Block Assy., Cylinder - with Stellite Seat Inserts and Stellite Valves(No Water Pump)				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
160-72	Block, Ignition Breaker - Mounting - Models with Battery Ignition				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
120A327	Body, Oil Pump - W/ Driven Gear Shaft	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
140A326	Bowl, Fuel Filter (Glass) (Models W/Fuel Filter #149-12)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
160A126	Box and Cover Assy., Ignition Coil (Sheet Metal) 24 Volt Battery Ignition Models W/ Box, Ignition Coil - (Cast Iron) (Models W/ 12 Volt Batt. Ign. Prior to 3/10/47) Use W/Flat Top Coils				1	1	1	1	1	1	1	1	1	1	1	1						
160A185	Box, Ignition Coil (Cast Aluminum) - Models W/12 V. Batt. Ign. - Depth W/ 3/10/47 and Prior to 1 '2-48)				1	1	1	1	1	1	1	1	1	1	1	1						
12400B	Box, Ignition Coil (Cast Iron) Models W/ 12 Volt Battery Ignition																					
160A152	Bracket, Breaker Spring (Batt. Ign. Models)				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
160A110	Bracket, Crank				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
192A252	Bracket, Electric Choke - Model V-3S-575				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
153A58	Bracket, Electric Choke - W. Thermostat				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
130B311	Bracket, Fan Support				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

▲ - Apply only to 3" bore engines. See notice inside front cover.

ENGINE SECTION

ENGINE GENERATOR

W2C SERIES

[illegible]

ENGINE SECTION

ENGINE GENERATOR

W2C SERIES

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PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R
167A1167	Cable Assy., High Tension - Shielded #2 Used W/ #12109 Wico Magneto																1	1	1			
167A1184	Cable Assy., High Tension - Shielded #1 Used W/ #12109 Wico Magneto																					
105N120	Camshaft (All Models W/12 V. Batt. Ign.)																					
12050B	Camshaft (All Models W/Magneto Ignition)																					
12050C	Camshaft (Models W/24 and 32 Volt Batt. Ignition)																					
159A80	Cap Assy., Fuel Tank - W/Chain - (Included W/Generator Mid. Fuel Tank Assy. #159N1438)																1					
123A18	Cap Assy., Oil Level Indicator and Replaces #13224 Cap and #13223 Indicator																1	1	1			
130A337	Cap Assy., Radiator (Includes Cap #130P292 and Ornament #130A307)																					
123A7	Cap, Crankcase Breather - With Screen																					
110A771	Cap, Cylinder Head																					
415A82	Cap, Fuel Tank (Use W/5 Gal. Separate Fuel Tank)																					
159A7	Cap and Gasket, Oil Fill (Models W/Oil Fill on top of crankcase - Except Housed W2M and W3M)																					
159A455	Cap and Gauge Assy., Fuel Tank (W3M Housed Models)																					
12038	Cap, Oil Filler (Housed W2M and W3M W/ Oil Fill on top of crankcase)																					
130P282	Cap, Radiator - W/Gasket																					
141B521	Carburetor Assy., Zenith (Updraft) - Used only W/Automatic Choke #153A175																					
141B524	Carburetor Assy., Zenith - Horizontal Manual Models (Replaces #12160B)																					
141N525	Carburetor Assy., Zenith - Horizontal (Remote and Electric Start Models)																					
142C267	Carburetor Assy., Marvel Schebler (Gas- Gaso Models Only)																					
142-51	Carburetor Assy., Marvel - Model W3S-575																					
142C268	Carburetor Assy., Stromberg (Gas-Gaso Only)																					
12263	Carburetor Assy., Stromberg (W2A-280, W3A-280, W2S-280, W2S-360, W2S-460, W2S-560, W3S-280, W3S-360, W3S-460 and W3S-560 Models only)																					
122-37	Cartridge, Replacement - Oil Filler (Models W/Oil Filler #122-41)																					
12870	Chassis, Mounting (W2M and W3M Housed Models Begin W/Serial #10000)																					

* For Parts see Accessory Section

ENGINE SECTION

ENGINE GENERATOR

W2C SERIES

PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R
153A53	Choke Assy., Electric (12 Volt)	1						1			1			1			1					
153A55	Choke Assy., Electric (32 Volt)	1			1			1			1			1			1					
153A56	Choke Assy., Electric (24 Volt)	1			1			1			1			1			1					
153A175	*Choke, Automatic (Thermo) (Used only W/ Updraft Carburetor #141B521)	1																				
153B43	Choke, Manual (17-1/2") (Housed Manual Models)		1								1											
153A186	Choke, Manual (Unhoused Manual Models)		1		1			1			1			1			1					
405A44	Clamp Assy., Crank Holder (W2M & W3M Housed Models)		1		1			1			1			1								
167A33	Clamp, High Tension Cable-Battery Ignition Models										1			1			1					
166A95	Clamp, Ignition Coil (Models with 12 volt Battery Ignition-Begin W/Serial #382834)																					
503-11	Clamp, Radiator Hose (W2D, W3D, W2DS, W3DS and Battery Chargers)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
503-31	Clamp, Radiator Hose (W2S, W3S, W2M, W3M)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
140B173	Cleaner, Air (Oil Bath) 4-1/2"	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
140-20	*Cleaner, Air (Gas-Gasoline Models Only)																					
153A69	Clip, Manual Choke (Unhoused Manual Models)				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
504-6	Cock, Radiator Drain	2			2			2			2			2			2			2		
504A13	Cock, Shutoff-W/Screen-Fuel Tank- (Use W/Separate 5 Gal. Tank)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
166B243	Coll, Ignition (12 Volt) Flat Top - 24 V. -32V Battery Ignition Models	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
166P240	Coll, Ignition (Flat Top) 6 Volt (Models W/12 Volt Battery Ignition)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
166-82	Coll, Ignition (6 Volt) (Cone Top) Use Coll #166-91																					
166-91	Coll, Ignition (6 Volt Cone Top) (12 V. Batt. Ignition)																					
312A3	Condenser, Ignition Coll - W/Terminal .25Mfd. (Battery Ignition Models)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
312A59	Condenser, Ignition Coll - Less Terminal (.25 Mfd.) Included in #312A3 Condenser (Battery Ignition Models)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

* For Parts see Accessory Section

★ - Use also on Model W3S-575

ENGINE SECTION

ENGINE GENERATOR

PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R
502-3	Connector, Inverted Male (1 Oil Pump and 1 each Bearing Plates)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
505-14	Coupling, Oil Drain - 1/2"	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
505-26	Coupling, Radiator Drain 1/8"	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
153A113	Cover, Elect. Choke - Model W3S-575																					
153A49	Cover, Elect. Choke-12V. (Part of 153A53)																					
153A52	Cover Assy., Electric Choke - W/Heating Element - 32 Volt (Included in Choke #153A55)																					
153A51	Cover Assy., Electric Choke - W/Element -24 Volt (Included in Choke #153A56)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
103A70	Cover Assy., Gear-Magneto Ignition	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
103A71	Cover Assy., Gear-Battery Ignition	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
103A129	Cover Assy., Gear (Prior to 10/23/42) Used W/compression type Governor Arm on Batt. or Magneto Ign. Models. (Battery Ignition models used also #12161 Plate for Magneto Opening)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
12090A	Cover Assy., Gear (Battery Ignition) Early Models W/one Piece Governor Shaft and Paddle	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
405A35	Cover, Bearing Inspection - Housing (W3M Housed Models Begin W/Serial #10000)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
150A525	Cover, Governor Spring - (Models W/Tension Type Governor Arm #150A522)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
166C20	Cover, Ignition Coll Box - 24 Volt Battery Ignition Models	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
12401	Cover, Ignition Coll Box(12V. Batt. Ign. Model W/Flat Top Colls) Use Cover #166A213	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
166A151	Cover, Ignition Coll Box (Batt. Ign. W/Cone Top Colle)																					
166A213	Cover, Ignition Coll Box(12V. Batt. Ign. Model W/Flat Top Colls)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
130D303	Cover, Radiator Top	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
110K875	Crankcase Kit, Complete - All Models (Replaces Crankcase #12004A, B, CA, D, E, F, and G.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			

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ENGINE SECTION

ENGINE GENERATOR

ENGINE GENERATOR

W2C SERIES

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ENGINE SECTION

ENGINE GENERATOR

W2C SERIES

PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R
140A96	Gasket, Air Cleaner	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
101A91	Gasket, Breather Adapter - Crankcase (Used also as Oil Filler Neck Gasket on Early Models W/Oil Fill on top of Case)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
141A78	Gasket, Carb. Flange - Model W38-575	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
154A50	Gasket, Carburetor Flange	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
110B298	Gasket, Cylinder Base	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
110B297	Gasket, Cylinder Head	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
110A291	Gasket, Cylinder Head Cap	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
110A203	Gasket, Cylinder Water Inlet	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
110A292	Gasket, Cylinder Water Outlet Lower	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
154A40	Gasket, Exhaust Outlet - Muffler	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
149A157	Gasket, Fuel Filler Bowl (Cork) - (Models W/Fuel Filter)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
149A126	Gasket, Fuel Pump Mounting - (Models W/Fuel Pump)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
159A115	Gasket, Fuel Tank Tube Base (Used W/Tank #415A11)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
103B54	Gasket, Gear Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
101A89	Gasket, Inspection Plate - Crankcase	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
103A50	Gasket, Magneto Drive Gearcase (.005") (Use W/Magneto Gearcase #160C403 or Cover Plate #12161)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
160A124	Gasket, Magneto Flange - Models W/Magneto Ignition	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
102A51	Gasket, Oil Base	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
123-191	Gasket, Oil Filler Cap	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
120A142	Gasket, Oil Pump Body (.002") (Use Gasket Kit #120K162)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
130A92	Gasket, Radiator Base (Use 2 Gaskets #130A152)	x	x	x	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
130A152	Gasket, Radiator Base (Halfes)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
130P291	Gasket, Radiator Cap	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
130A93	Gasket, Radiator Inlet Adapter	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
101A87	Gasket, Rear Main Bearing Plate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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ENGINE SECTION

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W2C SERIES

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PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R
-G-																						
101A90	Gasket, Valve Inspection Plate	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
193-6	Gauge, Oil Pressure	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
193-33	Gauge, Oil Pressure (Use Gauge #193-6)																					
160A407	Gear & Bushing Assy., Magneto (Includes #160A106 Gear & #160A408 Bushing)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
105B52	Gear, Camshaft - Less Governor Weights	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
160C403	Gearcase, Magneto Drive (Models W/Magneto Ignition)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
104A212	Gear, Crankshaft-Fibre-(Use Gear #104A217 Prior to Serial #27001 or Gear #104A218 Begin W/Serial #27001)																					
104A217	Gear, Crankshaft (Models W/Plunger Type Oil Pump) Prior Serial #27001	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
104A218	Gear, Crankshaft-Steel-(Models W/Gear Type Oil Pump) Begin W/Serial #27001	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
160A404	Gear, Magneto Drive (Mag. Ign. Models)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
160A106	Gear, Magneto Drive Idler (Mag. Ign. Models)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
105-73	Gear Set (Includes #104A218 Crankshaft Gear & #105B52 Camshaft Gear) Use only W/Gear Type Oil Pump Begin W/Serial #27001	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
12215	Grille, Radiator - (Use Grille #405B823)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
405B823	Grille, Radiator																					
508-2	Grommet, Ignition Coil Box - Rubber 3/8" (24 Volt Battery Ignition Models)																					
130C310	Guard, Fan - 2 Halves (set) Unhoused Models	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
130C315	Guard, Fan (Housed Models)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
12029	Guard, Oil Rod (Early Models W/Oil Fill on top of Crankcase) Use Guard and Indicator Assembly #123A423	x	x	x																		
-H-																						
406-50	Handle Assy., Door - (W3M Housed Models Prior to Serial #10000)																					
76728	Handle, Carrying - Housing (W3M Housed Models)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
110-820	▲Head, Cylinder	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
110C783	▲Head, Cylinder	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

▲ - Apply only to 3" bore engines. See notice inside front cover.

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W2C SERIES

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ENGINE GENERATOR

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ENGINE SECTION

ENGINE GENERATOR

W2C SERIES

PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R
110K394	- K - Kit, Valve Grind Parts (Models W/Wico Magnet)																					
150A61	Knob, Governor Spring Adjusting (W32-25 and W32-35 Models after 2-16-48)				1			1			1			1			1					
226A444	- L - Lead, Breaker to Relay Panel (Armored) (Models W/Battery Ignition)				1	1		1	1		1	1		1	1		1	1				
336A16	Lead, Ignition Coil Primary (Batt. Ign.)																					
336A375	Models W/O Radio Suppression	2			2			2			2			2			2			2		
115A59	Lead, Low Tension - Batt. Ign. Models W/Radio Suppression																					
115A61	Lifter & Bearing Assy., Valve (Includes Bearing, Lifter and Screw)	4	4		4	4		4	4		4	4		4	4		4	4		4	4	
501A2	Lifter, Valve - Less Bearing	4	4		4	4		4	4		4	4		4	4		4	4		4	4	
501A3	Line, Flexible Fuel (7" Long)																					
501A4	Line, Flexible Oil - Filter Outlet (9" long) Models W/Oil Filter																					
501A7	Line, Flexible Oil - Filter Inlet (12" long) Model W/Oil Filter																					
501A9	Line, Flexible Fuel (Tank to Pump) (24" long)																					
501A15	Line, Flexible Fuel (Tank to Pump) (36" long)																					
149A33	Line, Flexible Fuel (Tank to Pump) (16" long)																					
12146A	Line, Fuel - Copper - Pump to Carburetor - Models W/Horizontal Draft Carburetor	1			1	1		1	1		1	1		1	1		1	1				
149A477	Line, Fuel - Copper (Pump to Carburetor) Manual Models W/Horizontal Draft Carb.																					
149B23	Line, Fuel - Copper (Pump to Carburetor) Models W/#141B521 Updraft Carburetor	1																				
120A126	★ Line, Fuel Pump to Carb. (Gas-Gaso Models only)																					
120A127	Line, Oil (Pump to Tee)	1	1		1	1		1	1		1	1		1	1		1	1		1	1	
	Line, Oil (Rear Bearing Plate to Tee)	1	1		1	1		1	1		1	1		1	1		1	1		1	1	

★ - Use also on Model W3S-575

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W2C SERIES

PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R
520A321	Link, Governor Arm to Carburetor (Gas-Gaso and Model W3S-575 Only)	1			x	x		x	x		x	x		x	x		x	x				
150A520 150B65	Link, Governor Arm to Carburetor Linkage Assy., Governor (Gas-Gaso Models and Model W3S-575)	4	4	4	1	1	1	x	x	1	1	1	1	x	x	1	1	1				
110A311	Lock, Valve Spring Retainer																					
- M -																						
161C159 12099	*Magneto Assy., Fairbanks Morse *Magneto Assy., Wico (Platform Type) (W2M -W3M Prior to 12-2-42) (Use Magneto #162-201)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
162P201	*Magneto Assy., Wico (Used only as Replace- ment for 12099 Magneto)	x																				
12199 154A303	*Magneto, Wico (Use Magneto Kit #161K147) Manifold - (Used only W/141B521 Updraft Carburetor)	1																				
155C410	Muffler Assy. (Disc Type) (Housed Models - Except Winpower Mfg. Co. Model) Re- places 12903A Muffler	1			1					1				1			1					
155B76	Muffler - W/1-1/4" Nipple - 12" x 5" (All Unhoused Models and Winpower Mfg. Co. Models)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
- N -																						
123A422	Neck Assy., Oil Filler - Models W/Oil Fill on top of Crankcase (Except Housed W2M- W3M)	1	1	1																		
123B421	Neck, Oil Filler (Models W/Oil Fill on top of Crankcase) Replaces #12901 Tube	1	1	1																		
505-4	Nipple, Close (1") (Use W/#12903A Disc Type Muffler)	2			2									2			2					
167A1	Nipple, Ignition Ground Cable (Threads Into Coil Box Cover #166A151)													2	2	2	2	2				2

* For Parts see Accessory Section.

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W2C SERIES

ENGINE GENERATOR

PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R
403C866	Panel, Housing Side - L. H. (W3M Housed Models Prior to Serial #10000)																					
403C865	Panel, Housing Side - R. H. (W3M Housed Models Prior to Serial #10000)																					
301C1082	Panel, Instrument - W/Hinged Door (W3M Housed Models)																					
405B822	Panel, Radiator Side																					
405C832	Panel, Rear End Housing (W3M Housed Models Begin W/Serial #10000) Replaces #12871	2	2		2	2		2	2		2	2		2	2		2	2		2	2	
78718	Panel, Top Housing (W3M Housed Models Prior to Serial #10000)																					
516A1	Pin, Dowel (2) Gearcover, (2) Crankcase	4	4		4	4		4	4		4	4		4	4		4	4		4	4	
516A10	Pin, Dowel - Generator Frame to Crankcase	1	1		1	1		1	1		1	1		1	1		1	1		1	1	
516A10	Pin, Flywheel Dowel	4	4		4	4		4	4		4	4		4	4		4	4		4	4	
516-71	Pin, Governor Cup Stop - (Replaces #1046)	1	1		1	1		1	1		1	1		1	1		1	1		1	1	
112A10	Pin, Piston (Also Avail. in .002" & .005" O.S.)	2	2		2	2		2	2		2	2		2	2		2	2		2	2	
148C137	Pipe, Gas Regulator to Carb. (AC Gas-Gaso Only)				x			x			x			x			x			x		
148C138	Pipe, Gas Regulator to Carb. (DC Gas-Gaso Only)				x			x			x			x			x			x		
112-27	Pin, Piston & Pin Assy. (Aluminum) (Also Avail. in .010, .020 and .030" O.S.)																					
112C58	Pin, Piston - W/Pin (Cast Iron) (Use W/Forged Rod Only)							2	2		2	2		2	2		2	2		2	2	
101B59	Plate Assy., Valve Inspection (Batt. Ign.) Models W/Side Oil Full - Includes Valve Inspection Plate, Point Set & Condenser Plate, Breaker Inspection - Models W/Batt. Ignition	2	2		2	2		2	2		2	2		2	2		2	2		2	2	
166A249	Plate, Crankcase Inspection (Early Models W/Oil Fill on top of Crankcase)				1	1		1	1		1	1		1	1		1	1		1	1	
101A208	Plate, Crankcase Inspection (Early Models W/Oil Fill on top of Crankcase)	1	1		1	1		1	1		1	1		1	1		1	1		1	1	
101A209	Plate, Crankcase Inspection - W/Oil Screen (Includes Side Fill Oil Tube)																					
101A208	Plate, Front Bearing - W/Bearing	1	1		1	1		1	1		1	1		1	1		1	1		1	1	
154A307	Plate, Fuel Distribution (Begin W/1-16-43) Fits between Carb. Flange Gaskets on Model W/Horizontal Draft Carburetor	1	1		1	1		1	1		1	1		1	1		1	1		1	1	
12181	Plate, Gearcase Cover (For Magneto Open-Ing-Used on Batt. Ign. Models W/103A129 Gear Cover or 103A71 Gear cover)	1	1		1	1		1	1		1	1		1	1		1	1		1	1	

▲ - Apply only to 3" bore engines. See notice inside front cover.

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W2C SERIES

PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R
101A197	Plate, Oil Baffle (Use #101B95 Plate)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
101B95	Plate, Oil Baffle	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
101A207	Plate, Rear Bearing - W/Bearing	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
405C834	Plate, Side Housing - L.H. (W3M Housed Models Begin W/Serial #10000)(Also Replaces #12873 Plate)																					
405C835	Plate, Side Housing - R.H. (W3M Housed Models Begin W/Serial #10000)(Also Replaces #12874 Plate)																					
405C838	Plate, Top Housing (W3M Housed Models Begin W/Serial #10000) Replaces #12877																					
101B21	Plate, Valve Inspection - Batt. Ign. Models W/Side Oil Fill																					
101B20	Plate, Valve Inspection - Magneto Ignition Models W/Side Oil Fill																					
12106	Plate, Valve Inspection (Magneto Ignition) Models W/Oil Fill on Top of Crankcase)																					
12025	Plate, Valve Inspection & Breaker (Batt. Ign. Models W/Oil Fill on top of Crankcase)																					
517-27	Plug, Camshaft Rear Bearing Hubhard (2")	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
517-23	Plug, Cylinder Block Welch	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
505-13	Plug, Pipe - Oil Drain - 1/2"	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
167-34	Plug, Spark (Also Replaces #670 Plug)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
160A239	Plunger, Breaker Spring (Batt. Ign. Models)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
160A416	Point Set, Ignition (Models W/Batt. Ignition)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
104A90	Pulley & Dog, Fan - Units WITHOUT Water Pump																					
104A46	Pulley & Dog, Fan - Units WITH Water Pump																					
149C54	* Pump, Fuel (All Models W/Fuel Pump) For Complete Assembly Use Pump #149C339	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12072A	* Pump Assy., Oil (Plunger Type) - Used on Early Models Prior to Serial #27001	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
120A328	* Pump Assy., Oil (Gear Type) Replaces Pump #120A176 - Models Begin Serial #27001	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
120A177	pump & Bearing Plate Assy., Oil - Use Pump & Bearing Plate Assy. #120A332																					
120A332	* pump & Bearing Plate Assy., Oil (Gear Type) Includes #120A328 Pump plus Bearing Plate and Drive Gear - Models Begin Serial #27001	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
131B5	* pump, Water (Models with Water Pump)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

* For Parts see Accessory Section.

ENGINE SECTION

ENGINE GENERATOR

W2C SERIES

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PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R
130B313	Radiator Assy. (Core & Tank)(All Housed Models Except Winpower Mfg. Co.) Also Replaces Radiator #12900	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
130C139	Radiator Assy. (Core & Tank)(All Unhoused Models and Winpower Models)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
130D303-148-9	Radiator Top	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
113A33	Regulator, Gas (Gas-Gaso models only) ▲ Ring, Piston Compression - 3/32" x 3" (Top Two Rings)(Avall. Also in .010, .020 and .030" O.S.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
113A32	▲ Ring, Piston Compression (3rd Ring) - Also Avall. .010, .020 and .030" O.S.	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
113A31	▲ Ring, Piston Oil - 3/16" x 3" (Also Avall. In .010, .020 and .030" O.S.)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
112A3	Ring, Piston Pin Lock	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
113-39	▲ Ring Set, Piston - (Avall. In .010, .020 and .030" O.S.)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
114A77	Rod Assy., Connecting - Aluminum (Includes Inserts)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
114B76	Rod Assy., Connecting - Forged - (Includes Inserts)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
114B74	Rod Assy., Connecting (Aluminum) Also Available in .020" U.S.(No Inserts Required)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
150A194	Rod, Governor Arm to Carburetor - Used W/#12154 Governor Arm	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
123A425	Screen, Oil Filler - (Early Models W/Oil Fill on top of Crankcase) Replaces #12037	1	1	1																		
114A22	Screw, Connecting Rod Cap	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
150A523	Screw, Governor Speed Adjusting (Used W/Tension Type Governor Arm)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
518-38	Screw, Governor Spring Adjusting (Used on Early Models W/Compression Type Governor Arm #12116A)	1	1	1																		

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▲ - Apply only to 3" bore engines. See notice inside front cover.

ENGINE SECTION

ENGINE GENERATOR

W2C SERIES

PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R
801-48	Screw & Nut, By-Pass Adjusting - Oil Pump (Included in By-Pass Assy. #120A330)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
403A305	Screw, Shoulder - Housing (W3M Housed Models)																					
115A24	Screw, Valve Lifter Lock-1/4" SAE x 3/4" Hex Head	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
509A24	Seal, Breaker Spring Plunger Oil (Models W/Battery Ignition)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
509P58	Seal, Crankshaft Oil (Rear Main Bearing Plate) (Also Replaces Seal #570)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
509A59	Seal, Gearcover Oil	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
115A64	Shaft, Fuel Pump Eccentric Follower	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
150A48	Shaft, Governor (Used Begln W/8-10-45)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
160A409	Shaft, Magneto Drive Idler Gear	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
115A62	Shaft, Valve Lifter	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
167-41	Shield Assy., Spark Plug	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
130B306	Shroud, Radiator Fan (All Unhoused Models and Winpower Models)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
130B314	Shroud, Radiator Fan (All Housed Models except Winpower Mfg. Co.)																					
166A238	Spring, Breaker Arm (Models W/Batt. Ign)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
120A140	Spring, By-Pass - Oil Pump - Prior to 1-15-47																					
120A101	Spring, By-Pass - Oil Pump - Used Begin- ning 1-15-47																					
149A475	Spring, Fuel Pump Eccentric Follower - Model W/Fuel Pump	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
150A526	Spring, Governor Arm (Replaces Spring #12193)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
150A500	Spring, Governor Regulator (Prior 10-23-42) (Used Early Models W/Compression Type Governor Arm #12116A)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
110A310	Spring, Valve - Intake & Exhaust	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
115A56	Spring, Valve Lifter Spacer	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
166A22	Strap, Ignition Coil Retainer (Used on Model W/Sheet Metal Coil Box)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			

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ENGINE SECTION

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W2C SERIES

ENGINE GENERATOR

PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R
155B97	Strap, Muffler (Unhoused Manual Models)	1			1	1		1	1		1	1		1	1		1	1				
153A86	Strap, Thermostat Element Retainer																					
520A208	Stud, Air Cleaner (Included in Adapter Assy. #140A335 and #140A338)	1	1		1	1		1	1		1	1		1	1		1	1				
160A140	Stud, Breaker Arm (Models W/Batt. Ign.)	1	1		1	1		1	1		1	1		1	1		1	1				
520A222	Stud, Carburetor Mounting	2	2		2	2		2	2		2	2		2	2		2	2				
520A223	Stud, Coil Box Mounting - Models W/Sheet Metal Coil Box	2	2		2	2		2	2		2	2		2	2		2	2				
520A222	Stud, Coil Box Mounting - Models W/Cast Iron or Cast Aluminum Coil Box	2	2		2	2		2	2		2	2		2	2		2	2				
520A174	Stud, Cylinder Block - 7/16" - 20 x 7-1/8"	2	2		2	2		2	2		2	2		2	2		2	2				
520A175	Stud, Cylinder Block - 7/16" - 20 x 7-7/8"	2	2		2	2		2	2		2	2		2	2		2	2				
520A172	Stud, Cylinder Head - 7/16" - 20 x 3-13/16"	1	1		1	1		1	1		1	1		1	1		1	1				
520A189	Stud, Cylinder Head Mounting - 7/16" - 20 x 2-11/16"	3	3		3	3		3	3		3	3		3	3		3	3				
520A223	Stud, Exhaust Outlet Adapter 5/16 x 1-1/4"	2	2		2	2		2	2		2	2		2	2		2	2				
104A220	Stud, Fan Pulley & Crankdog (Models Prior to 4-24-44)	1	1		1	1		1	1		1	1		1	1		1	1				
104A221	Stud, Fan Pulley & Crankdog (Models after 4-24-44)																					
150A150	Stud, Governor Spring Sensitivity	1	1		1	1		1	1		1	1		1	1		1	1				
150A506	Stud, Governor Spring Stop - Used on Early Models W/#103A129 Gearcover & Com- pression type Governor Arm)																					
520A236	Stud, Magneto Drive Gearcase (Models W/ Fairbanks Morse Magneto Ignition)	2	2		2	2		2	2		2	2		2	2		2	2				
520A315	Stud, Radiator Base Mounting - Unhoused Models	2	2		2	2		2	2		2	2		2	2		2	2				
140B336	Support, Air Cleaner	1	1		1	1		1	1		1	1		1	1		1	1				
5544	Switch, High Water Temperature Cut-off (Use Switch #309-2)																					
309-2	Switch, High Water Temperature Cut-off																					

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ENGINE SECTION

ENGINE GENERATOR

W2C SERIES

PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R
159B438	Tank Assy., Fuel (2 Gal. - Mts. over Gen.) Includes Tank, Bracket, Bands, Filter, Cap Assy. & Hardware)(Manual Unhoused Models)	1																				
415A11	Tank Assy., Fuel (5 Gal. Separate) (Use Tank W/Shut-off Cock #415A13)				1			1			1						1					
415A13	Tank Assy., Fuel - W/Shutoff Cock - 5 Gal. Separate (Includes #415A10 Tank)																					
159B445	Tank, Fuel (W3M Housed Models Begin W/ Serial #10000) (3 Gal.)																					
159B454	Tank, Fuel (W3M Housed Models Prior to Serial #10000)																					
415A10	Tank, Fuel (5 Gal. Separate) Less Shutoff Cock																					
159B234	Tank Only, Fuel (2 Gal. - Mts. over Generator) Manual Unhoused Models (Included in Tank Assy. #159B438)																					
502-45	Tee, Inverted - Oil Pump By-Pass	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
502-57	Tee, Oil Filter Inlet (Model W/Oil Filter)																					
502-57	Tee, Pipe - Oil Pump - By-Pass	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
166P241	Top, Ignition Coil (For Flat Top Ign. Coil)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12123	Trap, Breather Vapor - Self Start Models	1																				
123A52	★ Trap, Breather Vapor																					
123A53	Trap, Breather Vapor																					
12124	Tube, Breather Vapor(Self Start Models)	1																				
123A426	Tube, Breather Vapor (Manual Models)																					
123A429	Tube, Breather Vapor																					
123A12	★ Tube, Breather (Gas-Gaso Models)																					
159A435	Tube, Fuel Tank - W/Fitting (Used W/415A11 Separate Fuel Tank)																					
123A428	Tube and Neck, Oil Filter (Housed W2M & W3M Model W/Oil Fill on top of Crankcase) Replaces #12902A																					
155B127	Tubing, Exhaust (Flexible) W/Fitting (All Unhoused Models)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

★ - Used also on Model W3S-575

ENGINE GENERATOR

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PART NUMBER	DESCRIPTION	COLUMN 0-99			COLUMN 100-199			COLUMN 200-299			COLUMN 300-399			COLUMN 400-499			COLUMN 500-599			COLUMN 600-699		
		E	M	R	E	M	R	E	M	R	E	M	R	E	M	R	E	M	R			
- V -																						
123A8	Valve Assy., Check - Crankcase Breather (Includes Disc and Pin)				1	1	1		1	1	1											
110A304	Valve, Exhaust (Steel) (See Also #110A305 for Stellite Faced Valves)	2	2		2	2	2		2	2	2					1	1					
110A305	Valve, Exhaust (Stellite Faced)	2	2		2	2	2		2	2	2					2	2					
110A301	Valve, Intake - Also Available In .002" and .005" O.S.	2	2		2	2	2		2	2	2					2	2					
120A12	Valve, Plunger - Oil Pump - By-Pass (In- cluded in By-Pass Assy. #120A330)	1	1		1	1	1		1	1	1					1	1					
- W -																						
526-89	Washer, Camshaft Gear Spacer	1	1		1	1	1		1	1	1					1	1					
104A106	Washer, Crankshaft Gear	1	1		1	1	1		1	1	1					1	1					
509-29	Washer, Governor Shaft (Felt)	1	1		1	1	1		1	1	1					1	1					
110A315	Washer, Valve Spring Retainer	4	4		4	4	4		4	4	4					4	4					
150A510	Weight, Governor	4	4		4	4	4		4	4	4					4	4					
150A497	Wire, Governor Weight Retaining	1	1		1	1	1		1	1	1					1	1					

ACCESSORY SECTION

W2C ENGINE-GENERATOR

CARBURETOR PARTS FOR ZENITH UPDRAFT CARBURETOR

ASSEMBLY
NUMBERS

PART NUMBER	DESCRIPTION	141B521		
141-166	Adjustment, Main Jet	1		
141-72	Axle, Float	1		
	Body, Throttle (Not Sold Separately)	x		
141-165	Bushing, Throttle Shaft	2		
141-73	Cover, Bowl	1		
141-44	Float	1		
141-74	Gasket, Bowl Cover	1		
141A78	Gasket, Flange (Not Included in Carb. Assy.)	1		
141-47	Gasket Kit, Carburetor (Not Incl. in Carb. Assy.)	1		
141-168	Jet, Compensator	1		
141-167	Jet, Main	1		
141-180	Lever, Throttle Clamp	1		
850-30	Lockwasher, Cover Assy. Screw (Replaces 141-76)	2		
141-69	Lockwasher, Throttle Plate Screw	2		
141-33	Plate, Throttle	1		
141-70	Plug, Bowl Drain	1		
141-70	Plug, Bowl Overflow	1		
141K60	Repair Parts Kit, Carburetor	1		
815-135	Screw, Cover Assy. (Replaces #141-75)	2		
815-102	Screw, Lever Stop (Included W/141-347 Shaft			
	& Lever) Replaces #141-66	1		
141-42	Screw, Throttle Lever Clamp	1		
810-41	Screw, Throttle Plate (Replaces #141-68)	2		
141-347	Shaft and Stop Lever, Throttle	1		
141-67	Spring, Stop Screw (Included W/141-347 Shaft			
	& Lever)	1		
141-16	Valve and Seat, Fuel	1		
141-144	Washer, Compensator	1		
141-77	Washer, Fuel Valve Seat Fibre	1		
141-71	Washer, Main Jet Adjustment Fibre	1		
141-144	Washer, Main Jet Fibre	1		

ACCESSORY SECTION

W2C ENGINE-GENERATOR

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ASSEMBLY
NUMBERS

CARBURETOR PARTS

FOR
STROMBERG CARBURETOR

PART NUMBER	DESCRIPTION	12263	
144-2	Ball, Lead	3	
144-3	Bleeder, High Speed	1	
144-3	Bleeder, Idle Air	1	
	Body, Main (Not Sold Separately)	x	
144-34	Collar, Choke Valve Mounting	1	
144-24	Cover, Float Chamber	1	
144-21	Float	1	
144-48	Gasket, Flange (Not Incl. in Carb. Assy.)	1	
144-25	Gasket, Float Chamber Cover	1	
144-466	Gasket, Gas Strainer Plug	1	
144-49	Gasket Kit, Carburetor (Not Incl. in Carb. Assy.)	1	
144-16	Gasket, Main Discharge Jet	1	
144-18	Gasket, Metering Jet	1	
144-20	Gasket, Needle Valve Seat	1	
144-17	Jet, Adjustable Metering	1	
144-15	Jet, Main Discharge	1	
144-6	Lever, Throttle Stop	1	
144-39	Lockwasher, Choke Valve Screw	2	
144-36	Lockwasher, Collar Screw	2	
144-27	Lockwasher, Cover Screw	4	
144-8	Lockwasher, Stem Nut	1	
144-7	Nut, Throttle Stem	1	
144-22	Pin, Float Fulcrum	1	
144-47	Plug, Fuel Inlet Channel	1	
144-45	Plug, Gas Strainer	1	
144-4	Reducer, Idle Feed	1	
144-50	Repair Parts Kit, Carburetor (Not Included in Carburetor Assembly)	1	
144-38	Screw, Choke Valve	2	
144-35	Screw, Collar Assembly	2	

ACCESSORY SECTION

W2C ENGINE-GENERATOR

ASSEMBLY
NUMBERS

CARBURETOR PARTS

FOR

STROMBERG CARBURETOR

[illegible]

ACCESSORY SECTION

W2C ENGINE-GENERATOR

65

FOR-

CARBURETOR PARTS

12160B-ZENITH HORIZONTAL DRAFT-(MANUAL)

141B525-ZENITH HORIZONTAL DRAFT-(REMOTE & ELECTRIC)

ASSEMBLY
NUMBERS

PART NUMBER	DESCRIPTION	12160B †	141B524	141B525
141-72	Axle, Float	1	1	1
	Body, Throttle (Not Sold Separately)	x	x	x
141-105	Bowl, Fuel	1	1	1
141-110	Bracket, Choke Plate	1	1	
141-111	Clamp, Bracket Tube	1	1	
141-104	Cover, Fuel Bowl	1	1	1
141-10	Float	1	1	1
141-94	Gasket, Bowl to Throttle Body	1	1	1
141-92	Gasket, Cover to Bowl	1	1	1
154A50	Gasket, Flange (Not Included in Carb. Assy.)	1	1	1
141-17	Gasket Kit, Carburetor (Not Incl. in Carb. Assy.)	1	1	1
141-21	Jet, Main	1	1	1
141-103	Knob, Choke			1
141-107	Lever and Swivel, Choke	1	1	
141-19	Lever, Throttle Clamp	1	1	1
141-1	Lever, Throttle Stop	1	1	1
850-40	Lockwasher, Body to Bowl (Replaces #141-96)	2	2	2
141-69	Lockwasher, Choke Plate Screw	2	2	2
850-30	Lockwasher, Cover to Bowl Screw (Replaces			
	#141-76)	4	4	4
141-69	Lockwasher, Throttle Plate Screw	2	2	2
141-12	Needle, Main Jet Adjusting	1	1	1
141-100	Pin, Shaft Knob Taper			1
141-100	Pin, Thrust Washer Taper	1	1	1
141-120	Plate, Choke (Replaces Plate #141-102)	1	1	1
141-20	Plate, Throttle	1	1	1
141-70	Plug, Bowl Drain	1	1	1
141-70	Plug, Fuel Inlet	1	1	1
141-11	Plug, Metering Well Passage	1	1	1
141K473	Repair Parts Kit, Carb. (Replaces Kit #141-25)	1	1	1

† - For Complete Assembly Use Carburetor #141B524.

ACCESSORY SECTION

W2C ENGINE-GENERATOR.

ASSEMBLY
NUMBERS

FOR-
12160B-ZENITH HORIZONTAL DRAFT-(MANUAL)
141B525-ZENITH HORIZONTAL DRAFT-(REMOTE & ELECTRIC)

CARBURETOR PARTS

PART NUMBER	DESCRIPTION	12160B †	141B524	141B525
810-41	Screw, Choke Plate (Replaces #141-68)	2	2	2
801-8	Screw, Bowl to Body(Replaces #141-95)	2	2	2
815-135	Screw, Bracket Clamp (Replaces #141-75)	1	1	
815-116	Screw, Cover to Bowl(Replaces #141-6)	4	4	4
141-8	Screw, Idle Adjusting	1	1	1
815-131	Screw, Lever Clamp(Replaces #141-108)	1	1	
815-110	Screw, Lever Stop (Replaces #141-3)	1	1	1
141-109	Screw, Lever Swivel	1	1	
141-2	Screw, Stop Lever Clamp	1	1	1
815-116	Screw, Throttle Lever Clamp(Replaces #141-6)	1	1	1
810-41	Screw, Throttle Plate (Replaces #141-68)	2	2	2
815-132	Screw, Tube Clamp (Replaces #141-112)	1	1	
141-407	Shaft, Choke	1	1	
141-85	Shaft, Choke			1
141-98	Shaft, Throttle	1	1	1
141-101	Spacer, Throttle Lever	3	3	3
141-9	Spring, Adjusting Screw	1	1	1
141-13	Spring, Main Jet Adjusting Needle	1	1	1
141-4	Spring, Stop Screw	1	1	1
141-16	Valve and Seat, Fuel	1	1	1
141-77	Washer, Fuel Valve Seat Fibre	1	1	1
141-144	Washer, Main Jet Fibre	1	1	1
141-97	Washer, Metering Well Fibre	1	1	1
141-77	Washer, Metering Well Passage Plug Fibre	1	1	1
141-99	Washer, Throttle Shaft Thrust	1	1	1
141-22	Well, Metering	1	1	1
† - For Complete Assembly Use Carburetor #141B524.				

ACCESSORY SECTION

W2C ENGINE-GENERATOR

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CARBURETOR PARTS

MARVEL-SCHEBLER

PART NUMBER	DESCRIPTION	ASSEMBLY NUMBERS		
		142C267	142C268	142-51
148B126	Adapter, Carburetor	1	1	
	Body, Carburetor (Not Sold Separately)	x	x	
141-110	Bracket, Choke		1	
502-43	Elbow, Inverted Adapter	1	1	
502-2	Elbow, Male (Bowl Cover)	1	1	1
502-34	Elbow, Male (Idle Fuel Line)	1	1	
142-361	Float & Lever - Plastic(Repl. METAL #142-38)	1	1	1
148A22	Gasket, Adapter	1	1	
148A17	Gasket, Bushing - For METAL Float Lock	1	1	
148A17	Gasket, Float Valve Seat (Replaces #142-30)	1	1	1
142-33	Gasket Kit, Carb. (Not Incl. in Carb. Assy.)	1	1	
148A17	Gasket, Main Adjusting Needle Retainer(Replaces			
	Gasket #142-30)	2	2	2
142-32	Gasket, Nozzle	1	1	1
142-31	Gasket, Throttle Body to Bowl	1	1	1
141A162	Lever, Choke		1	
149A30	Line, Idle Fuel	1	1	
148A135	Lock Assy., Float - For METAL Float Only	1	1	
148A8	Lock, Choke	1		
142-40	Needle, Idle	1	1	1
142-41	Needle Assembly, Main Adjusting	1	1	1
142-42	Needle,Packing,Nut & Retainer Assy., Main			
	Adjusting	1	1	1
142-289	Nozzle Assembly (Use Nozzle #142-285)	x	x	
142-285	Nozzle (Replaces #142-289)	1	1	1
142-290	Nut and Jet-Nozzle Retaining	1	1	1
148A38	Nut, Retaining - For METAL Float Lock Only	1	1	
142-206	Packing, Main Adjusting Needle	1	1	1
142-37	Plate, Choke	1	1	1
142-25	Plate, Throttle	1	1	1

ACCESSORY SECTION

W2C ENGINE-GENERATOR

CARBURETOR PARTS

MARVEL-SCHEBLER

ASSEMBLY
NUMBERS

CARBURETOR PARTS			
MARVEL-SCHEBLER			
PART NUMBER	DESCRIPTION	142C267	142C268
142-50	Repair Parts Kit, Carb. (Not Incl. in Carb. Assy)	1	1
142-46	Retainer, Main Adjusting Needle	1	1
142-45	Retainer, Main Adjusting Needle Packing	1	1
148A131	Screw, Adapter Adjusting	1	1
142-29	Screw, Bowl Cover	3	3
518-75	Screw, Choke Lock Thumb	1	
142-28	Screw, Choke Plate	2	2
142-16	Screw, Idle Adjusting (Use Needle #142-40)	x	x
142-26	Screw, Throttle Plate	2	2
815-106	Screw, Throttle Stop Adjusting (Replaces 142-27)	1	1
142-183	Shaft Assembly, Choke	1	
142-24	Shaft Assembly, Throttle	1	1
142-52	Shaft, Choke	1	1
142-39	Shaft, Float	1	1
142-48	Sleeve Assembly, Choke (Cover)	1	1
148A10	Spring, Adapter Adjusting Screw	1	1
142-282	Spring, Idle Adjusting Screw (Replaces Spring #142-34)	1	1
142-282	Spring, Idle Needle (Replaces Spring #142-34)	1	1
142-35	Spring, Throttle Lever Adjusting Screw	1	1
148A66	Stop. Float - For METAL Float Only	1	1
142-49	Valve, Seat and Gasket Assembly, Matched		
	Float	1	1

ACCESSORY SECTION

W2C ENGINE-GENERATOR

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AUTOMATIC CHOKE PARTS

USED ONLY ON EARLY MODELS WITH NO.141B521 ZENITH UP-
DRAFT CARBURETOR.

[illegible]

(PLUNGER TYPE)

ASSEMBLY
NUMBERS

[illegible]

W2C ENGINE-GENERATOR

71

OIL PUMP PARTS

(GEAR TYPE)

USED ON MODELS BEGINNING WITH SERIAL NO. 27001

ASSEMBLY
NUMBERS

[illegible]

ASSEMBLY
NUMBERS

[illegible]

W2C ENGINE-GENERATOR

ASSEMBLY
NUMBERS

131B5

[illegible]

ACCESSORY SECTION

W2C ENGINE-GENERATOR

FAIRBANKS-MORSE MAGNETO PARTS

ASSEMBLY
NUMBERS

PART NUMBER	DESCRIPTION	ASSEMBLY NUMBERS		
		161C159	161K147	▲
161-73	Bearing, Distributor Sleeve (Oilite)	1		
161-71	Bearing, Rotor Ball (Drive End)	1		
161-72	Bearing, Rotor Sleeve (Oilite)	1		
161-32	Bracket, Stationary Contact Point	1		
161-38	Brush, Coil Lead	1		
161-54	Bushing, Coupling Gear	1		
161-36	Bushing, Primary Ground Screw Insulating	1		
167A1001	Cable, Spark Plug (#1 Plug)		1	
167A1002	Cable, Spark Plug (#2 Plug)		1	
161-22	Cap, End (Radio Shielded)	1		
161-29	Coil Assembly, Magneto	1		
161P182	Condenser Assembly - W/Bracket(Replaces			
	#161-25)	1		
161-50	Coupling, Impulse (Incls. Hub Assy. #161-49)	1		
161-7	Cover, End Cap	1		
161-11	Ferrule, Ground Cable	1		
161A6	Gasket, End Cap Cover (Lead)	1		
161A42	Gasket, End Cap to Frame	1		
160A124	Gasket, Magneto Flange		1	
161-13	Gasket, Ventilator Hood	2		
161-15	Gasket, Ventilator Hood Rivet	2		
161A3	Gasket and Washer Kit, Complete	1		
161-16	Guide, Ground Switch Strip	1		
161-14	Hood, Ventilator	2		
161-21	Housing	1		
161-49	Hub Assembly, Impulse Coupling (25°lag.)	1		
161-12	Insulator, Ground Cable Terminal	1		
336A402	Lead, Magneto Stop		1	
161-9	Lockwasher, Breaker Arm Terminal Screw	1		
850-25	Lockwasher, Condenser Mtg. Screw(Replaces			
	#161-27)	1		

▲ = Explanation of symbol on page 76.

ACCESSORY SECTION

W2C ENGINE-GENERATOR

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FAIRBANKS-MORSE MAGNETO PARTS

ASSEMBLY
NUMBERS

PART NUMBER	DESCRIPTION	ASSEMBLY NUMBERS		
		161C159	161K147	▲
850-25	Lockwasher, Distributor Block Mounting			
	Screw (Replaces #161-27)	4		
161-9	Lockwasher, End Cap Cover Screw	3		
161-24	Lockwasher, End Cap Screw	4		
850-25	Lockwasher, Stationary Bracket Mounting			
	Screw (Replaces #161-27)	1		
161-69	Lockwire, Armature Driving End Shaft	1		
161C159	Magneto Assembly, Fairbanks Morse	✕	1	
167A2	Nut, Cable Outlet (Replaces #161-57)	2		
161-58	Nut, Ground Cable Outlet	1		
161-53	Nut, Impulse Coupling	1		
161-39	Outlet, Distributor Block Cable	1		
161-52	Pin, Coupling Pawl Stop	1		
161-48	Pin, Rotor Pinion	1		
161-74	Pinion, Rotor	1		
161-67	Plate, Bearing & Breaker Support (CCW)	1		
161-28	Point Set, Breaker Arm, Stationary Bracket			
	and Contact	1		
161-17	Ring, Distributor Shaft Snap	1		
161-18	Ring, Rotor Bearing Snap	1		
161-20	Ring, Rotor Shaft Pinion Snap	1		
161-19	Ring, Rotor Shaft Snap	1		
161-76	Rivet, Ventilator Screen	1		
161-77	Rivet, Ventilator Screen (Hooded)	1		
161-10	Rod, Distributor High Tension Lead	1		
161-60	Rotor, Distributor	1		
161-33	Rotor, Magnetic (complete)	1		
161-83	Screen Group, Hooded Ventilator	2		
161-82	Screen Group, Ventilator	1		
814-77	Screw, Bearing & Breaker Plate Mtg. (Replaces #161-68)			
		4		

▲ = Explanation of symbol on page 76.

ACCESSORY SECTION

W2C ENGINE-GENERATOR

FAIRBANKS-MORSE MAGNETO PARTS

ASSEMBLY
NUMBERS

PART NUMBER	DESCRIPTION	ASSEMBLY NUMBERS		
		161C159	161K147	▲
812-76	Screw, Breaker Arm Terminal(Replaces #161-26)	1		
812-76	Screw, Condenser Mounting (Replaces #161-26)	1		
161-8	Screw, Distributor Block Mounting	4		
161-23	Screw, End Cap	4		
161-8	Screw, End Cap Cover	3		
812-76	Screw, Stationary Bracket Mtg.(Replaces #161-26)	1		
161-35	Screw, Stationary Point Eccentric Head Adj.	1		
167-19	Seal, High Tension Cable Socket Rubber	4		
815-85	Setscrew, Coil Bridge (Replaces #161-30)	2		
161-70	Shaft and Gear Assembly, Distributor	1		
E-78	Sheet, Instruction (Instructions for Conversion from Wico to Fairbanks Morse Magneto)		1	
161-75	Shell, Impulse Coupling	1		
161-56	Shim, Thrust Bearing	1		
161-51	Spring, Impulse Coupling Drive	1		
161-61	Strip, Rotor Bearing Insulating	1		
161-64	Terminal, Ground Cable	1		
161-44	Terminal Group, Primary Ground	1		
161-63	Terminal, High Tension Cable	4		
161-66	Terminal, Lead Wire	2		
161-59	Tube, Primary Lead Wire	1		
161-41	Washer, Bearing Insulating	2		
161-62	Washer, Bearing Seal Rubber	1		
161-55	Washer, Distributor Shaft Flat	2		
161-34	Washer, Inner Retaining	1		
161-40	Washer, Outer Retaining	1		
161-37	Washer, Primary Ground Screw Flat	2		
161-79	Washer, Primary Ground Terminal Insulating	1		
526-3	Washer, Stationary Contact Bracket (Replaces #161-78)			
161-31	Washer, Ventilator Screen Locking	3		

▲ 161K147 Magneto Replacement Kit is used for replacement of the Wico Magneto.

ACCESSORY SECTION

W2C ENGINE-GENERATOR

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WICO MAGNETO PARTS

PART NUMBER	DESCRIPTION	ASSEMBLY NUMBERS		
		12199	12099	162P201
162-24	Arm, Breaker .	1		
162-39	Arm, Distributor	1	1	
(WCE)X6866	Arm Group, Distributor			1
162-52	Arm, Trip	1	1	1
(WCE)X5521	Bearing Cage Group			1
(WCE)5517	Bearing, Rotor			1
(WCE)5610	Bushing, Breaker Plate			1
162-71	Bushing, Ground Stud Insulating		1	2
162-164	Bushing, Ground Stud Insulating - Outside		1	1
162-67	Bushing, Rotor	2		
(WCE)5567	Cage, Bearing			1
162-35	Cap Group, Distributor	1		
(WCE)5776	Cap Group, Distributor			1
162-177	Catcher, Oil	1	1	
(WCE)5633	Clamp, Coil Core			2
162-5	Clamp, Coil Core	2		
(WCE)5532	Clamp, Condenser			1
162-31	Clip Assembly, Distributor	2		
162-3	Coil Core Group	1		
(WCE)X5524	Coil Core Group			1
162-2	Coil Unit	1		
(WCE)X5700	Coil Unit			1
162-18	Condenser Assembly	1		
162-203	Condenser Assembly			1
162-167	Connection Unit, Ground		1	
(WCE)X5750	Connection Unit, Ground			1
(WCE)5773	Contact, Coil			1
162-161	Coupling, Engine Member		1	1
162-162	Coupling, Fibre - Center		1	1
162-40	Coupling Unit, Impulse	1		

† or * - See explanation of symbols on page 79.

ACCESSORY SECTION

W2C ENGINE-GENERATOR

WICO MAGNETO PARTS

ASSEMBLY
NUMBERS

PART NUMBER	DESCRIPTION	ASSEMBLY NUMBERS		
		12/99	12099	162P201
162-65	Cover, Distributor Cap Shield	1		
(WCE)6692	Cover, Impulse Dust			1
162-45	Cup, Drive	1		
162-181	Cup, Drive			1
162-58	Disc, Oiling	1		
(WCE)6468	Felt, Breaker Arm			1
(WCE)5077	Felt, Cam Wiper			1
162-53	Flange Group, Driven	1		1
162-1	Gasket, Coil	2		
162-146	Gasket, Cover	1		
162-147	Gasket, Distributor Cap	1		
(WCE)5618	Gasket, Distributor Cap			1
162-172	Gasket, Impulse Dust Cover		1	
(WCE)6693	Gasket, Impulse Dust Cover			1
162-41	Gasket, Impulse Stop	1		
(WCE)5519	Gasket, Impulse Stop			1
(WCE)6865	Gear, Distributor			1
162-66	Grommet, Ground Lead	1		
162-32	Housing Group, Gear	1		
162-63	Housing Replacement Assembly, Main	1		
(WCE)X6209	Housing Replacement Assembly, Main			1
(WCE)X5757	Lead Group, Ground			1
162-43	Lead Group, Magneto	1		
162-44	Nut, Impulse Lock	1		
162-170	Nut, Impulse Lock		1	
(WCE)6230	Nut, Impulse Lock			1
162-29	Pad, Cam Oil	1	1	
162-61	Pad, Main Oil	1	1	
162-59	Plate, Oil Pad Spring	1		
162-8	Plug, Oil	2	2	

† or * - See explanation of symbols on page 79.

ACCESSORY SECTION

W2C ENGINE-GENERATOR

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WICO MAGNETO PARTS

PART NUMBER	DESCRIPTION	ASSEMBLY NUMBERS		
		12/99	12099	162P201
162-34	Plug, Oil	1	1	
162-136	Point Set, Breaker	1	1	
162-204	Point Set, Breaker			1
162-171	Retainer, Pinion Gear		1	
162-49	Retainer, Drive Spring	1		1
162-38	Retainer, Distributor Gear		1	
162-51	Ring, Snap	1	1	1
(WCE)6694	Ring, Impulse Dust Cover			1
162-172	Ring, Impulse Dust Cover		1	
(WCE)5516	Ring, Rotor Bearing Retainer			1
162-62	Rotor Assembly	1		
(WCE)Y5946	Rotor			1
162-175	Scraper, Oil		1	
162-176	Scraper, Oil	1		
(WCE)6139	Seal, Oil			1
162-163	Seal, Oil		1	
162-19	Seal, High Tension Cable Socket Rubber	2		
(WCE)5926	Shield, Ball Bearing			1
(WCE)6204	Slinger, Oil			1
162-23	Spacer, Breaker Arm	1		
(WCE)5520	Spacer, Bearing Cage			1
162-56	Spacer, Driven Flange	1		1
162-57	Spacer, Impulse	1		
(WCE)5517	Spacer, Impulse Stop			1
162-169	Spring, Distributor Arm Lock		1	
162-46	Spring, Drive	1	1	1
(WCE)X5549	Stop Group, Impulse			1
162-56	Stop Group, Impulse	1		
(WCE)3945	Stud, Ground			1
162-47	Washer, Drive Cup Spacing	1	1	1

† - For complete assembly, use Magneto Replacement Kit #161K147.
Components listed with Fairbanks Morse Magnetos.

* - For complete assembly, use Magneto Replacement #162P201.

CROSS REFERENCE LIST WARD MODEL TO ONAN MODEL

This is a cross reference of the Montgomery Ward Model back to the original ONAN Model Number. Montgomery Ward Prefix Numbers and Letters Have Been Deleted so that only the basic Model Number remains. EXAMPLE: - On Model 64MX-4930A-1, the Basic Number 4930A-1 Has Been Listed.

FOR WARD MODEL	SEE ONAN MODEL	FOR WARD MODEL	SEE ONAN MODEL
4905A	W32-25-202	4929H-1	W2S-438
4905B	W32-25-302	4929H-3	W2S-432
4905C	W32-25-402	4929J-1	W2S-550
4905D	W32-25-502	4929J-3	W2S-531
4905E	W32-25-502	4929K-1	W2S-538
4912A	W10-35-400	4929K-3	W2S-532
4912B	W10-35-500	4930A-1	W3S-250
4912C	W10-35-500	4930A-3	W3S-231
4917A	W2D-200	4930B-1	W3S-260
4917B	W2D-300	4930C-1	W3S-217
4917C	W2D-400	4930D-1	W3S-238
4917C-123	W2D-402	4930E-1	★
4918A	W3D-200	4930E-3	W3S-331
4918B	W3D-300	4930F-1	W3S-338
4918C	W3D-400	4930F-3	W3S-332
4918C-123	W3D-402	4930G-1	W3S-450
4922A	W32-35-202	4930G-3	W3S-431
4922B	W32-35-302	4930H-1	W3S-438
4922C	W32-35-402	4930H-3	W3S-432
4922D	W32-35-502	4930J-1	W3S-550
4928A-1	W2S-250	4930J-3	W3S-531
4928A-3	W2S-231	4930K-1	W3S-538
4928B-1	W2S-260	4930K-3	W3S-532
4928C-1	W2S-217	4930L-1	W3S-517
4928D-1	W2S-238	4931A-1	W3A-250
4928E-1	W2S-360	4931A-3	W3A-231
4928E-3	W2S-331	4931B-1	W3A-260
4928F-1	W2S-338	4931C-1	W3A-217
4928F-3	W2S-332	4931D-1	W3S-238
4928G-1	W2S-450	4931E-1	W3S-350
4928G-3	W2S-431	4931E-3	W3S-331
4928H-1	W2S-438	4931F-1	W3S-338
4928H-3	W2S-432	4931G-1	W3S-450
4928J-1	W2S-550	4931G-3	W3S-431
4928J-3	W2S-531	4931H-1	W3S-438
4928K-1	W2S-538	4931H-3	W3S-432
4928K-3	W2S-532	4931J-1	W3S-550
4929A-1	W2A-250	4931J-3	W3S-531
4929A-3	W2A-231	4931K-1	W3S-538
4929B-1	W2A-260	4931K-3	W3S-532
4929C-1	W2A-217	4931L-1	W3S-517
4929E-1	W2S-350	9697A	W2A
4929E-3	W2S-331	9698L	W3S
4929F-1	W2S-338	9759	W32-25
4929F-3	W2S-332	9798	W3S
4929G-1	W2S-450	9798A	W3A

★ - Two Carburetors were used on this Model. Models with Marvel Schebler Carburetors were ONAN Model W3S-350. Models with Stromberg Carburetors were ONAN Model W3S-360.



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